

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

A2929
So3Wa

5



United States
Department of
Agriculture

Soil
Conservation
Service

Salt Lake City
Utah



WATER SUPPLY OUTLOOK FOR UTAH

in Cooperation with Utah State Department
of Natural Resources



U.S. DEPT. OF AGRICULTURE
NATL. AGRIC. LIBRARY
FOOT LOCKER

MAR 24 '82

WATER SUPPLY OUTLOOK
FOR UTAH

February 1, 1982

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent of surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1,900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: LONE CONE, NEAR NORWOOD, COLORADO

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

<u>STATE</u>	<u>ADDRESS</u>
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mexico)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4418 Federal Bldg., 125 South State St., Salt Lake City, Utah 84147
Washington	360 U. S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 -- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 -- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 -- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.

WATER SUPPLY OUTLOOK FOR UTAH

**and
FEDERAL-STATE-PRIVATE COOPERATIVE SNOW SURVEYS**

Issued by

**NORMAN A. BERG
CHIEF
SOIL CONSERVATION SERVICE
WASHINGTON, D.C.**



Released by

**GEORGE D. McMILLAN
STATE CONSERVATIONIST
SOIL CONSERVATION SERVICE
SALT LAKE CITY, UTAH**

In Cooperation with

UTAH STATE DEPARTMENT OF NATURAL RESOURCES	
DEE C. HANSEN	DANIEL F. LAWRENCE
State Engineer	Director
Division of Water Rights	Division of Water Resources



Report prepared by Snow Survey Staff

BOB L. WHALEY, Supervisor

**Soil Conservation Service
125 So. State, Fed. Bldg.
P.O. Box 11350
Salt Lake City, Utah 84147**

PROSPECTIVE WATER SUPPLIES

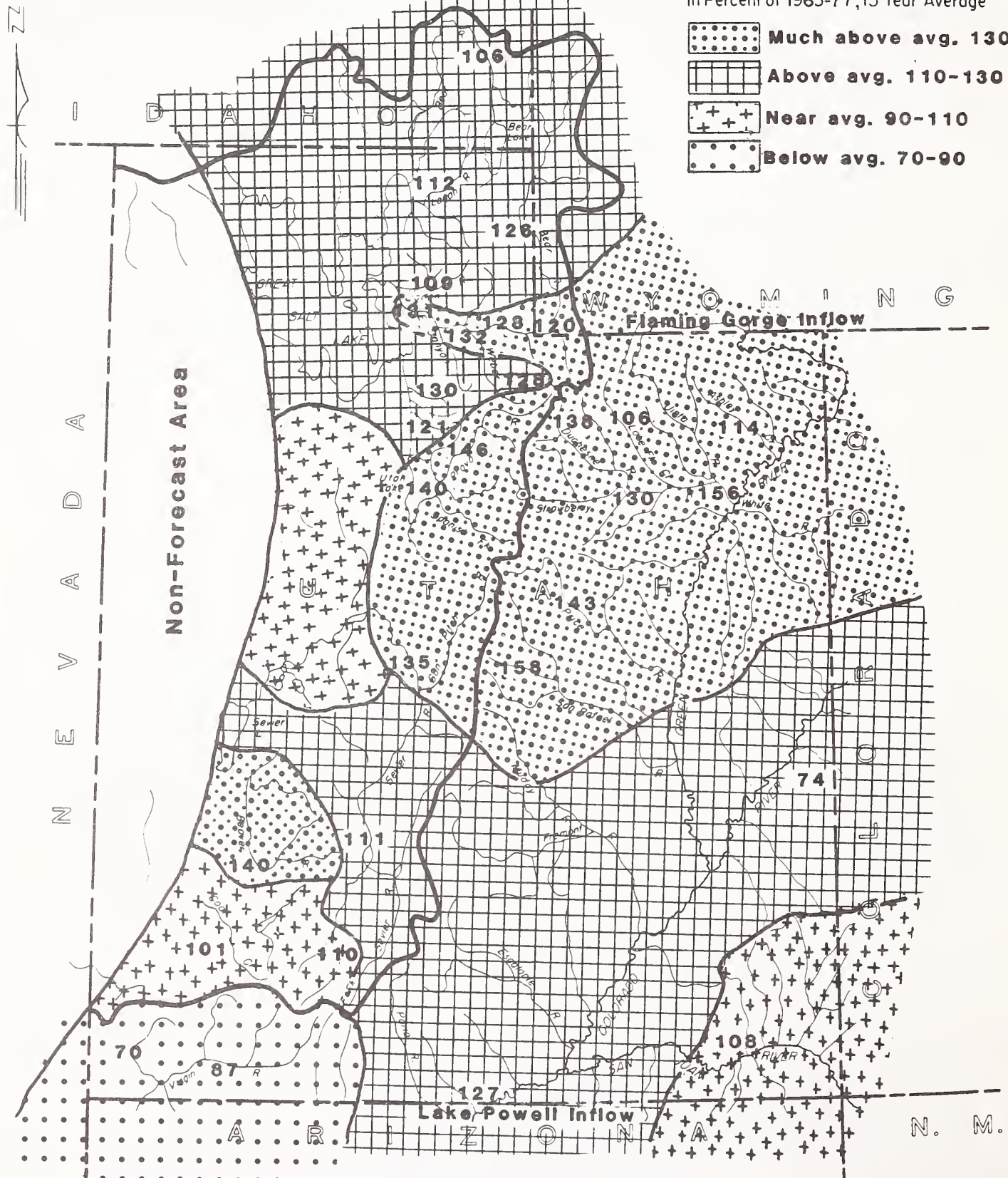
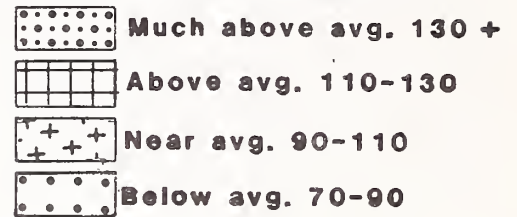
Based on Snow Surveys Made on
UTAH and BEAR RIVER WATERSHEDS

February 1, 1982

Approximate Date



FORECAST STREAM FLOW
in Percent of 1963-77, 15 Year Average



WATER SUPPLY OUTLOOK

As Of February 1, 1982

* * * * *
* Utah's Water Supply Outlook ranges from below average *
* in the Southern part of the state to above average in *
* the northern areas. Snow cover varies from 84% of *
* average on the Virgin River to 161% on the Muddy and *
* 144% on the Duchesne. Reservoir Storage is 106% of *
* average and streamflow forecasts range from 70% of *
* average on the Santa Clara to 166% for the Duchesne at *
* Myton. *
* * * * *

SNOW COVER

Snow surveys made the last week of January now show basin snow cover ranges from below average (84%) on the Virgin River and Blue Mountain areas of Southern Utah to 161% on the Muddy and 147% on the San Rafael. Southern Utah areas, south of a line between Moab and about Parawan, have below average snow accumulations. Areas north of that line are above the February 1 average ranging from 132% on the Beaver, 120% on Fremont, 124% on the Lower Sevier, 141% on the Price, 136% on the Provo-Utah Lake, 144% on the Duchesne, 136% on Bear River, 129% on the Ogden, 128% on the Weber and 135% along the Salt Lake Front.

PRECIPITATION

Total precipitation at mountain stations for the October-January period has varied from 74% of average at Willow Flat on Cub River along the Idaho border to 184% at Orange Olsen near Joe's Valley Reservoir on Cottonwood Creek. Heavier than usual amounts of precipitation occurred during October and the end of December and early January improving most totals to above average for the water year to date.

SOIL MOISTURE

Most mountain watershed soils received above average moisture prior to snow accumulation in October which improved soil moisture in the top one to two feet to near average conditions. Southern Utah is not as good as the northern part of the state but still better than last year.

RESERVOIR STORAGE

Storage in 27 of Utah's key reservoirs was 106% of the February 1 average and 71% of useable capacity.

Bear Basin Reservoirs averaged 88% of average, Ogden Basin 116%, Weber Basin 109%, Provo Basin 114%, Duchesne Basin 111%, Price-San Rafael Basin 94%, and the Sevier Basin 150%.

The Great Salt Lake was 0.90 feet lower than last year on December 31, and Utah Lake was -0.98 feet below compromise.

WATER SUPPLY OUTLOOK (continued)

STREAMFLOW

Streamflow forecasts now range from 70% of the April-June average for the Santa Clara near Pine Valley in Southern Utah to 166% of the April-July average for the Duchesne at Myton in Uintah Basin.

Other forecasts are generally near average to above average except Mill Creek above Moab which was 74% of average and the Virgin River which is forecast 87% of average.

Streamflow during January averaged 102% for the seven key gaging stations according to the U. S. Geological Survey.

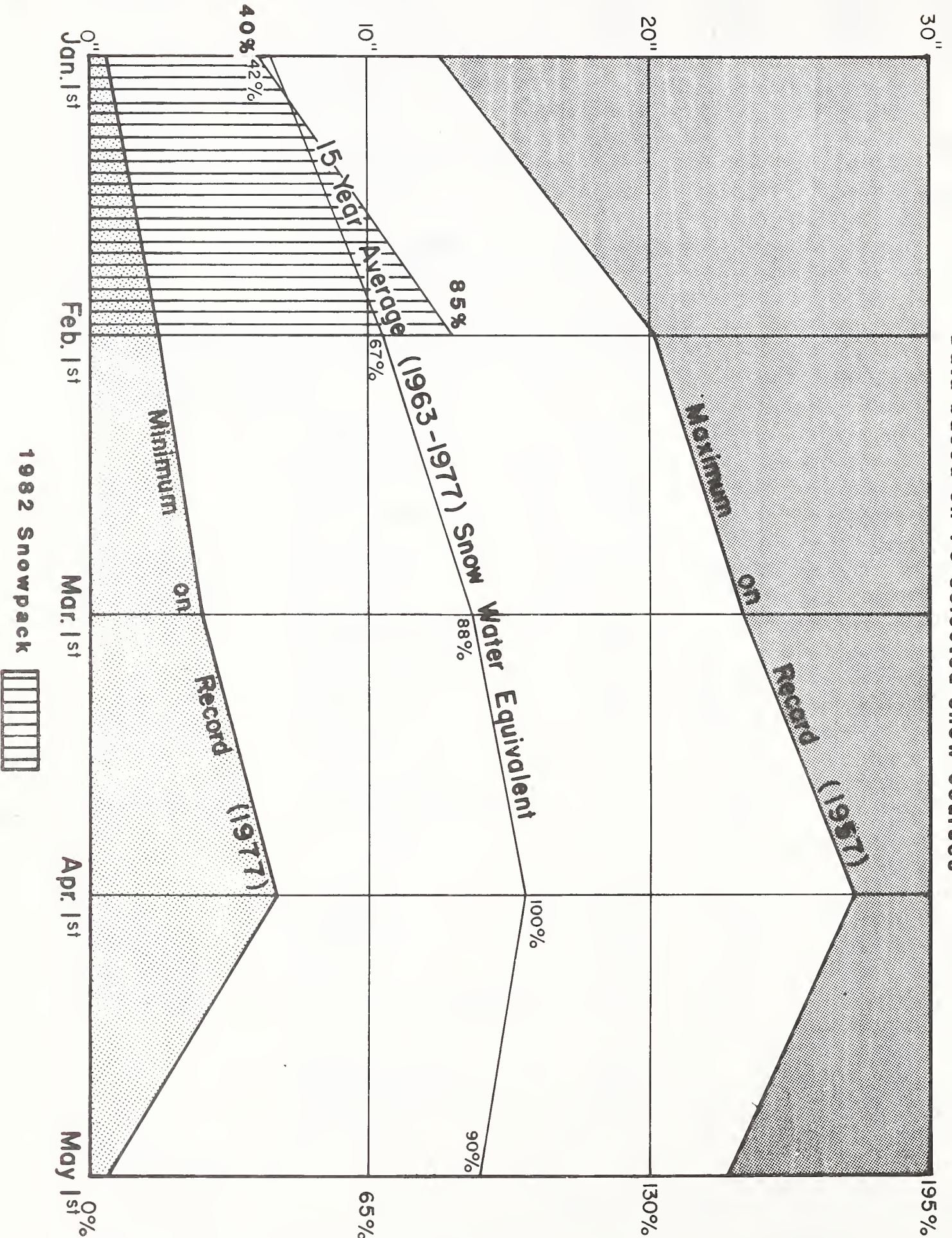
Peak flow forecasts will be issued beginning March 1 if flows are high enough to warrant a forecast. As of now streams are not expected to be high enough to cause problems unless extreme conditions of temperature or precipitation occur.

RESERVOIR STORAGE (Thousand Acre Feet) END OF MONTH

Basin or Stream	RESERVOIR	Usable Capacity	Usable Storage		
			This Year	Last Year	Average†
GREAT BASIN					
<u>Bear River</u>	Bear Lake	1421.0	904.3	1047.3	1026.5
	Woodruff Narrows	55.7	21.9	15.1	19.5
	Birch Creek	2.2			
	Woodruff Creek	4.0			
<u>Beaver River</u>	Minersville (RkyFd)	23.3	16.0	22.8	12.0
<u>Little Bear</u>	Hyrum	15.3	10.2	10.2	10.6
	Porcupine	11.3	1.9	5.2	3.0
<u>Ogden</u>	Causey	6.9	3.4	4.0	2.0 ^b
	Pineview	110.1	59.7	59.3	52.2
<u>Provo</u>	Deer Creek	149.7	108.5	104.1	107.0
<u>Settlement Creek</u>	Settlement Creek	1.2	1.2	0.5	--
	Vernon Creek	0.6	0.3	0.5	--
<u>Sevier River</u>	Gunnison	18.2	13.4	18.2	11.7
	Otter Creek	52.5	39.6	52.5	29.6
	Piute	71.8	57.2	60.4	40.1
	Sevier Bridge	236.0	178.7	227.6	113.6
	Panguitch Lake	22.3			
<u>Spanish Fork</u>	Strawberry	270.0	174.2	213.2	150.8
<u>Utah Lake</u>	Utah Lake	883.9	792.0	874.4	683.1
<u>Weber</u>	East Canyon	48.1	33.3	36.3	27.6
	Echo	73.9	47.9	55.3	48.5
	Lost Creek	20.0	12.6	16.1	12.9
	Rockport	60.9	35.7	42.3	35.2
	Willard Bay	193.3	144.2	169.6	127.2 ^b
COLORADO RIVER BASIN					
<u>Ashley Creek</u>	Steinaker	33.3	21.9	25.5	20.5
<u>Colorado</u>	Blue Mesa	829.5	326.0	484.5	--
	Lake Powell	25002.0	19606.0	21853.0	--
<u>Green</u>	Flaming Gorge	3749.0	2747.0	3009.2	--
<u>Lakefork</u>	Moon Lake	35.8	16.6	15.3	16.8
<u>Price River</u>	Scofield	65.8	33.8	49.0	34.7
<u>San Juan</u>	Navajo	1696.0	1210.0	1300.0	--
<u>San Rafael</u>	Huntington North	3.9	1.7	1.8	2.4 ^b
	Joe's Valley	54.6	33.3	37.3	36.0 ^b
	Mill Site	16.7	5.9	9.8	--
<u>Strawberry</u>	Starvation	165.3	146.6	144.2	129.4 ^b
<u>Uintah</u>	Bottle Hollow	11.3	11.3	11.3	9.8 ^b

UTAH'S WINTER SNOWPACK

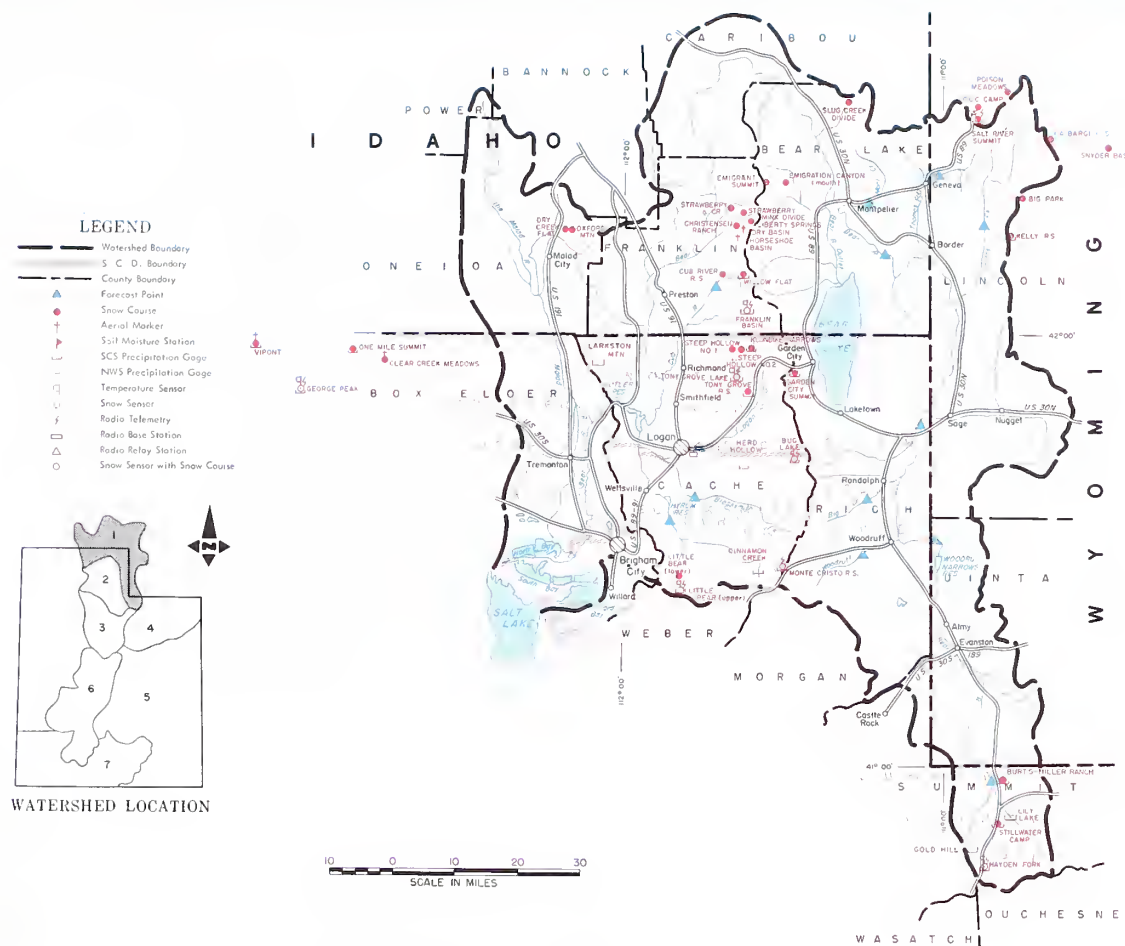
Data based on 79 selected snow courses



WATER SUPPLY OUTLOOK

BEAR RIVER BASIN in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



FEBRUARY 1, 1982

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER ranges from 134% of the February 1 average on the Upper Bear and Logan Rivers to 136% on the Lower Bear. Individual snow courses range from 116% on Monte Cristo to 168% on Little Bear Lower.

PRECIPITATION at mountain stations ranges from 74% of average at Willow Flat to 164% at Salt River Summit for the October-January period. Salt River Summit was 133% of the January average.

SOIL MOISTURE is good at higher elevations.

RESERVOIR STORAGE is a little below average except in Woodruff Narrows which is 112% of the February 1 average. Bear Lake is 88% of average.

STREAMFLOW FORECASTS range from 94% of average for Woodruff Creek to 139% for Big Creek. Bear River is forecast 120% at State Line and 106% at Harer, Idaho. Logan River is forecast 112% for the April-July period.

BEAR RIVER BASIN IN UTAH

STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
BEAR RIVER					
Bear nr UT-Wyo. State Line	137	120	Apr-July	100	114
Bear nr Woodruff	188	126	Apr-July	121	148
Woodruff Crk nr Woodruff, UT	17.3	94	Apr-July	5.4	18.4b
Big Creek nr Randolph, UT	5.8	139	Apr-July	--	5.4b
Bear nr Randolph	146	121	Apr-July	60	120
Thomas Fork nr UT-WY State Ln	42	119	Apr-Sept	8.3	35
Smith's Fork nr Border, WY	133	111	Apr-Sept	60	120
Bear at Harer, Idaho 1/	353	106	Apr-Sept	105	332
Logan nr Logan 1/	132	112	Apr-July	67	118
Blacksmith Fork nr Hyrum	59	109	Apr-July	23	54
Little Bear nr Paradise	44	116	Apr-June	10.2	38
Cub River nr Preston, ID	56	112	Apr-Sept	--	52
1/ Observed flow corrected for change in storage and diversions					
2/ Provisional flows - Subject to correction					
b - Average of all past record - less than 15 years					

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

SUMMARY OF GROW PERFORMANCE		Number of Courses Averaged	THIS YEAR AS A PERCENT OF		
RIVER BASIN and or SUB-WATERSHED			Last Year	Average	
BEAR RIVER		20	365	136	
UPPER BEAR RIVER		6	322	134	
LOWER BEAR RIVER		14	381	136	
LOGAN RIVER		7	410	134	
RESERVOIR STORAGE (Thousand Acre Foot)					
BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average
BEAR RIVER	Bear Lake	1421.0	904.3	1047.3	1026.5
	Woodruff Narrows	55.7	21.9	15.1	19.5
LITTLE BEAR	Hyrum	15.3	10.2	10.2	10.6
	Porcupine	11.3	1.9	5.2	3.0
+ - 1963-77 15 year Average Period					
e - estimated					

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
NAME					
Burts-Miller Ranch	1/27	23	5.0	1.9	--
Cub River R.S.	1/26	32	8.6	2.8	6.4
Emigrant Summit	1/28	80	24.5	7.1	17.0
Franklin Basin	1/26	64	21.2	5.2	17.8a
Hayden Fork	1/27	50	13.6	5.3	9.6b
Klondike Narrows	1/26	58	17.3	4.0	13.0

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
NAME					
Little Bear Lower	1/25	37	10.4	3.2	6.2
Little Bear Upper	1/25	40	11.3	3.3	8.7b
Monte Cristo	1/26	63	18.9	5.0	16.3
Salt River Summit	1/28	60	15.4	5.2	11.0
Stillwater Camp	1/27	39	10.5	3.3	7.2
Tony Grove R.S.	1/26	45	12.0	2.5	8.6

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Federal Bldg. - Room 4012
Salt Lake City, Utah 841138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300



POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR-101



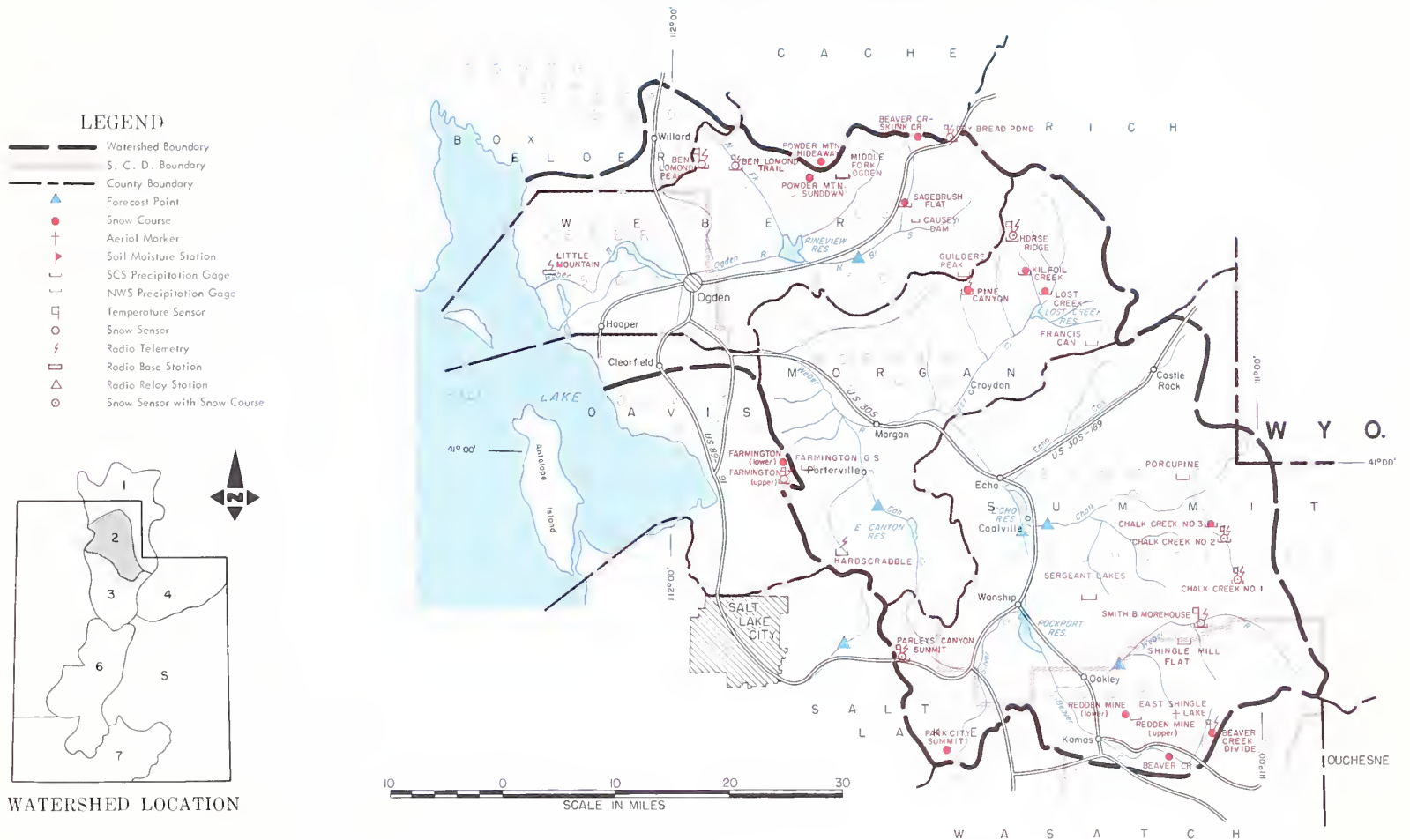
FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

WEBER-OGDEN WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER averages 129% of the February 1 average on the Ogden Basin and 128% on the Weber Basin. Lower elevation snow pack is better on the Ogden watershed, while higher elevations are generally better on the Weber watershed.

PRECIPITATION at mountain stations varies from 84% of the October-January average at Ben Lomond Trail to 146% at Parley's Summit and 155% at Trial Lake.

SOIL MOISTURE is near average and better than last year.

RESERVOIR STORAGE is 116% of the February 1 average on the Ogden River and 109% on the Weber River.

STREAMFLOW FORECASTS now range from 104% of the April-June average on the South Fork of the Ogden to 132% for the Weber at Coalville. Lost Creek is forecast 105% and East Canyon 122% of average.

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	Thousand Acres Feet	Percent of Average		THOUSAND ACRES FEET	Average †
WEBER-OGDEN RIVERS					
Weber nr Oakley	134	128	Apr-June	99	104
Rockport Reservoir Inflow 1/	143	128	Apr-June	106	112
Chalk Creek at Coalville	50	128	Apr-June	30	39
Weber nr Coalville	163	132	Apr-June	87	123
Lost Creek nr Croydon, UT	18.3	105	Apr-June	3.9	17.4b
East Canyon Creek nr Mogan 1/	31	122	Apr-June	11.4	26
Hardscrabble Crk nr Porterville	18.0	125	Apr-June	--	14.4e
South Fork Ogden nr Huntsville	59	104	Apr-June	19.9	57
Pineview Reservoir Inflow 2/	125	109	Apr-June	36	115
Echo Reservoir Inflow	208	130	Apr-June	109	160
Weber at Gateway	407	131	Apr-June	165	310
JORDAN RIVER & SALT LAKE	10.2	126	Apr-July	5.1	8.1b
Farmington Crk nr Farmington					
1 - Observed flow corrected for change in storage and diversions					
2 - Inflow record as computed by U. S. Bureau of Reclamation					
3 - Provisional flows - Subject to Correction					
b - Average of all past record - less than 15 years					

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF			
		Last Year	Average		
OGDEN RIVER	5	456	129		
WEBER RIVER	9	290	128		
RESERVOIR STORAGE (Thousand Acre Foot)					
BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average
OGDEN	Causey	6.9	3.4	4.0	3.7
	Pineview	110.1	59.7	59.5	59.6
WEBER	East Canyon	48.1	33.3	36.3	34.8
	Echo	73.9	47.9	55.4	51.6
	Lost Creek	20.0	12.6	16.1	14.4
	Rockport	60.9	35.7	42.3	39.0
	Willard Bay	193.3	144.2	169.6	155.7
	+ - 1958-72 15 year Average Period				

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	Average †
NAME				Last Year	
Beaver Creek R.S.	1/27	30	8.6	3.9	5.9
Beaver Creek-Skunk Creek	1/25	38	11.0	2.2	8.3
Ben Lomond Peak	1/25	88	27.0	7.1	22.4b
Ben Lomond Trail	1/25	65	17.8	3.7	12.4b
Chalk Creek #1	1/27	76	21.4	8.0	13.6a
Chalk Creek #2	1/27	51	13.1	5.8	9.7
Chalk Creek #3	1/27	29	7.0	3.0	5.4
Dry Bread Pond	1/25	47	14.0	3.6	12.2

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	Average †
NAME				Last Year	
Horse Ridge	1/25	65	18.2	4.4	15.0a
Lost Creek Reservoir	1/25	25	6.8	--	--
Monte Cristo	1/26	63	18.9	5.0	16.3
Parleys Canyon Summit	1/29	55	14.6	4.9	12.7
Sagebrush Flat	1/25	26	6.9	0.2	4.1
Smith & Morehouse	1/27	41	11.5	4.3	8.9
Trial Lake	1/27	83	22.8	10.0	15.6
e - estimated					

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Federal Bldg. - Room 4012
Salt Lake City, Utah 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300



POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR-101



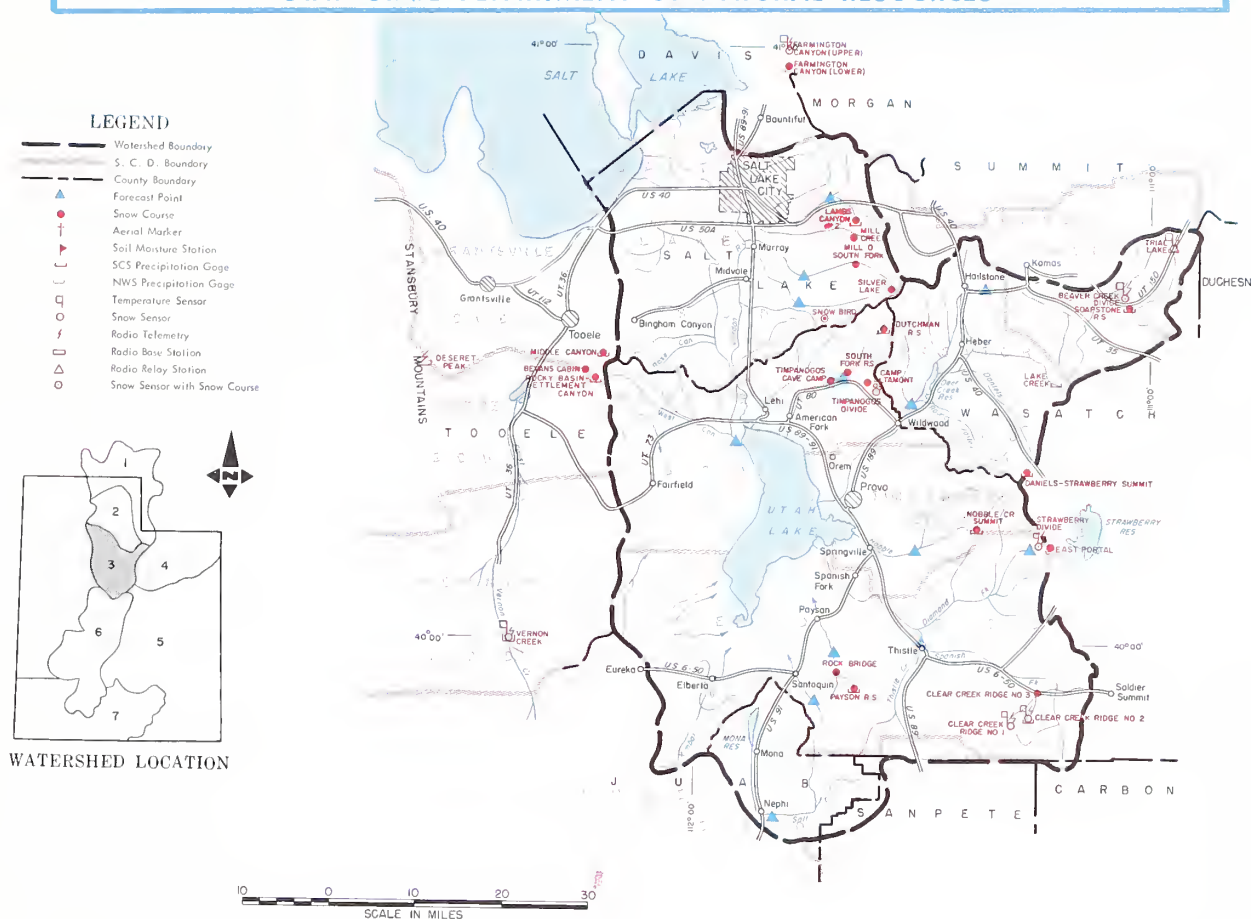
FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

UTAH LAKE, JORDAN RIVER and TOOELE VALLEY WATERSHEDS in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



FEBRUARY 1, 1982

THE WATER SUPPLY OUTLOOK IS ABOVE AVERAGE

SNOW COVER ranges from 102% of average in Tooele Valley to 136% for Provo River-Utah Lake drainage. The Salt Lake front streams are 135% of the February 1 average. Individual measurements range from 93% at Middle Canyon above Tooele to 176% at South Fork Ranger Station above American Fork.

PRECIPITATION at mountain stations for the October-January period ranged from 127% of average at Timpanogos Divide to 195% at Middle Canyon. Almost 6 inches of this fell in October.

SOIL MOISTURE is near average in the top 1 to 2 feet of soil.

RESERVOIR STORAGE is above average.

STREAMFLOW FORECASTS range from 109% of the April-July average for Settlement Creek above Tooele to 153% for Hobbie Creek near Springville. Adequate water supplies are expected for all uses this season.

UTAH LAKE, JORDAN RIVER AND TOOEE VALLEY WATERSHEDS IN UTAH

STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD		
	BASIN, STREAM and/or FORECAST POINT	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
		Thousand Acre Feet	Percent of Average		Last Year	Average †
PROVO RIVER AND UTAH LAKE						
Provo nr Hailstone 1/	149	146	Apr-July		102	
Provo below Deer Creek Dam 1/	175	146	Apr-July		120	
American Fork nr American Fork	43	139	Apr-July		31	
Hobble Creek nr Springville	27	153	Apr-July		19.7 ^b	
Strawberry Reservoir Inflow 1/	78	149	Apr-July	17.4	52	
Spanish Fork at Thistle	55	141	Apr-July		39	
Payson Creek nr Payson	8.0	127	Apr-July			
Utah Lake Inflow	341	140	Apr-July		244	
JORDON RIVER & SALT LAKE						
Little Cottonwood Crk nr SLC	46	121	Apr-July		38	
Big Cottonwood nr SLC	48	126	Apr-July		38	
Parley's Creek nr SLC	20	130	Apr-July		15.4	
Mill Creek nr SLC	8.6	137	Apr-July		6.3	
Emigration Creek nr SLC	5.0	125	Apr-July		4.9	
City Creek nr SLC	9.7	121	Apr-July		10.7	
So. Willow Ck. nr Grantsville	3.4	117	Apr-July	1.7	2.9	
TOOELE VALLEY						
Vernon Creek nr Vernon	1.1	110	Mar-June	1.0	1.0	
Settlement Crk nr Tooele..	2.5	109	Apr-July		2.3	

SNOW

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
NAME					
Bevins Cabin					
Camp Altamont	1/30	45	13.8	9.2	10.2
Clear Creek #1	1/29	53	16.0	3.9	11.2 ^b
Clear Creek #2	1/29	48	13.5	4.0	9.6 ^b
Clear Creek #3	1/29	29	7.2	2.2	5.5
Daniels-Strawberry Summit	1/29	42	12.5	2.4	10.0
Desert Peak	2/1	63	21.8		--
Dutchman R.S.	1/30	56	19.0	8.0	12.9
Hobble Creek Summit	1/29	48	13.9	3.5	9.6
Lambs Canyon #2	1/29	57	16.4	4.4	11.1 ^a
Middle Canyon	1/29	31	8.6	3.7	9.2
Mill Creek	1/26	57	15.4	4.5	--

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
PROVO RIVER & UTAH LAKE	13	252	136
JORDON RIVER & SALT LAKE	5	284	135
TOOELE VALLEY	2	298	102

1-Observed flow corrected for change in storage and diversions
2-Provisional flows - Subject to correction
a-Partly estimated

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average †
SPANISH FORK	Strawberry	270.0	174.2	213.2	150.8
UTAH LAKE	Utah Lake	883.9	792.0	874.4	683.1
	Settlement Creek	1.2	1.2	0.5	--
	Vernon Creek	0.6	0.3	0.5	--
PROVO	Deer Creek	149.7	108.5	104.1	107.0

SNOW

DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	THIS YEAR		PAST RECORD	
				Water Content (Inches)		Water Content (Inches)	
				Last Year	Average †	Last Year	Average †
Mill D South Fork	1/28	64	19.0	4.9	13.2		
Parleys Canyon Summith	1/29	55	14.6	4.9	12.7		
Payson R.S.	1/25	52	13.4	4.1	12.2		
Rocky Basin-Seetlement Canyon	2/1	62	19.1	--	--		
Silver Lake Brighton	1/28	73	24.2	7.4	15.8		
Soapstone R.S.	1/27	45	11.8	3.8	8.6		
South Fork R.S.	1/28	25	7.9	3.3	4.5		
Timpanogos Divide	1/30	62	20.0	11.2	16.9		
Trial Lake	1/27	83	22.8	10.0	15.6		
Vernon Creek	1/30	32	8.4	2.0	7.5 ^b		

a - Partly estimated
e - Estimated

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Federal Bldg. - Room 4012
Salt Lake City, Utah 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR-101



FIRST CLASS MAIL

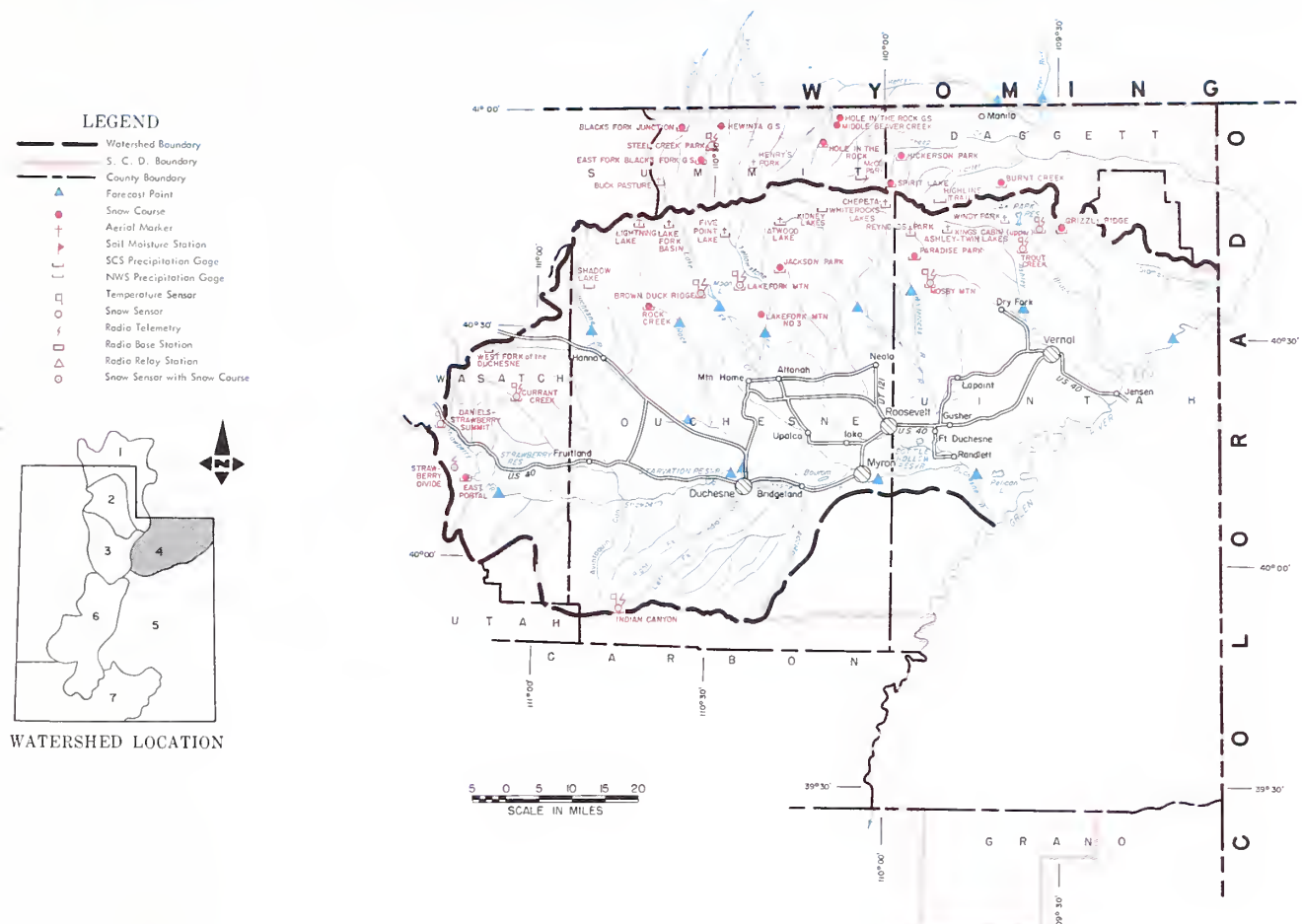


"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

UINTAH BASIN and DAGGETT SCD's in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



FEBRUARY 1, 1982

THE WATER SUPPLY OUTLOOK IS AVERAGE TO ABOVE AVERAGE

SNOW COVER ranges from average on Ashley Creek to 156% of average on Black's Fork and 155% on Lakefork-Yellowstone Creeks. Individual courses range from 194% of average at Brown Duck Ridge to 105% at Moseby Mountain.

PRECIPITATION at mountain stations for the October-January period varies from 129% of average at Moseby Mountain to 183% at East Portal near Strawberry Reservoir.

SOIL MOISTURE is better than average in the top one to two feet of soil.

RESERVOIR STORAGE is near average.

STREAMFLOW FORECASTS range from 101% of the April-Sept average for Henry's Fork to 166% of the April-July average for the Duchesne at Myton. Lakefork is forecast 106% and Ashley Creek 114% of the April-July average.

UINTAH BASIN AND DAGGETT SCD's IN UTAH

STREAMFLOW FORECASTS

BASIN STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	Thousand Acres Feet	Percent of Average		THOUSAND ACRE FEET Last Year	Average †
DUCHESNE RIVER					
Duchesne nr Tabiona 1/	145	135	Apr-July	73	107
Duchesne at Duchesne 1/	251	130	Apr-July	83	193
Strawberry at Duchesne	76	133	Apr-July	24	57
Rock Creek nr Mtn. Home	120	125	Apr-July	68	95
Currant Creek nr Fruitland	29	143	Apr-July	11.0	20
Lakefork below Moon Lake 1/	76	106	Apr-July	64	72
Yellowstone nr Altonah	74	110	Apr-July	46	67
Duchesne at Myton 1/	348	166	Apr-July	70	210
Whiterocks nr Whiterock	73	121	Apr-July	44	60
Uintah nr Neola	104	116	Apr-July	70	89
Duchesne at Randlett 1/	416	156	Apr-July	107	266
West Fork Ouchesne at Hanna	36	138	Apr-July	15.4	26
FLAMING GORGE TO DUCHESNE RIVER					
Henry's Fork at Linwood	53	101	Apr-Sept	17.9	52
Black's Fork at Millburne	110	120	Apr-July	87	92
Flaming Gorge Inflow 1/	1600	124	Apr-July	1292	
Ashley Creek nr VernaT	58	114	Apr-July	35	51

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches) Last Year	Average †
Brown Ouck Ridge	1/28	70	18.5	7.9	9.5 ^a
Currant Creek	1/29	33	8.4	0.3	7.3 ^b
Daniels-Strawberry	1/29	42	12.5	2.4	10.0
Hewinta G. S.	1/28	33	8.5	3.0	
Hickerson Park	1/28	22	4.3	4.1	
Jackson Park	1/28	49	11.3	6.5	7.4 ^a
Kings Cabin Upper	1/28	31	7.5	4.7	7.5

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
DUCHESNE RIVER - TOTAL	12	284	144
LAKEFORK-YELLOWSTONE CREEKS	4	195	155
STRAWBERRY RIVER	3	585	132
UINTAH - WHITEROCKS RIVERS	2	178	123
ASHLEY CREEK	1	160	100
UPPER GREEN	1	207	156

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average †
ASHELY CREEK	Steinaker	33.3	21.9	25.5	20.5
GREEN RIVER	Flaming Gorge	3749.0	2747.0	3009.2	--
LAKE FORK	Moon Lake	35.8	16.6	15.3	16.8
STRAWBERRY	Starvation	165.3	146.6	144.2	129.4 ^b
UINTAH	Bottle Hollow	11.3	11.3	11.3	9.8 ^b

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches) Last Year	Average †
Lakefork Mountain	1/28	38	9.0	4.8	6.8
Mosby Mountain	1/28	27	6.6	3.8	6.3
Paradise Park	1/28	43	11.4	6.3	8.3
Rock Creek Ranch	1/28	24	6.1	2.5	3.7 ^a
Spirit Lake	1/28	41	10.3	7.8	
Steel Creek Park	1/28	56	14.7	7.1	9.4 ^a
Strawberry Divide	1/29	58	18.3	4.0	12.4
Trout Creek	1/28	32	66	5.1	

e - Estimated

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Federal Bldg. - Room 4012
Salt Lake City, Utah 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300



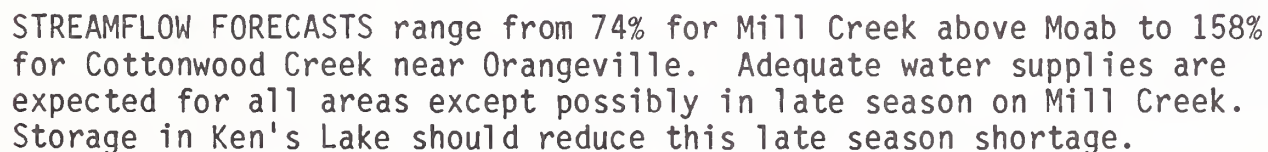
POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR-101



FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



CARBON, EMERY, WAYNE, GRAND AND SAN JUAN COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	FORECAST			THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
PRICE RIVER					
Gooseberry Crk nr Scofield	13.5	135	Apr-July		10.1
Scofield Reservoir Inflow	52	146	Apr-July		36
Price nr Heiner <u>1</u> /	94	143	Apr-July		64
SAN RAFAEL RIVER					
Huntington Crk nr Huntington	66	143	Apr-July		46 ^b
Cottonwood Crk nr Orangeville	70	158	Apr-July	31	44 ^b
Ferron Creek nr Ferron	51	150	Apr-July	21	34
MUDDY CREEK					
Muddy Creek nr Emery	25	148	Apr-July	9.1	16.9
UPPER COLORADO BASIN					
Colorado nr Cisco, UT	3650	134	Apr-July		2716
Green at Green River, UT	3750	126	Apr-July		2975
Mill Creek nr Moab	3.8	74	Apr-July	2.1	5.1 ^b
Navajo Reservoir Inflow	680	112	Apr-July		608
San Juan nr Bluff, UT	884	102	Apr-July		865
FREMONT RIVER					
Seven Mile Crk nr Fish Lake	7.2	112	Apr-July	4.8	6.4

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
Buck Flat	1/28	52	15.2	1.6	10.2
Buckboard Flat	1/28	24	5.5	2.1	7.1 ^e
Camp Jackson	1/28	27	6.6	1.1	7.3 ^e
Dills Camp	1/28	39	10.9	0.9	7.0 ^b
Dry Valley Divide Alternate	1/29	33	9.2	0.5	7.2
Huntington-Horseshoe	1/28	61	22.5	5.4	14.8 ^b

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
PRICE RIVER	3	807	141
SAN RAFAEL RIVER	6	708	147
FREMONT RIVER	3	784	120
LASAL MOUNTAINS	2	141	100
BLUE MOUNTAINS	2	378	84

1-Observed flow corrected for change in storage and diversions
2-Provisional flows - Subject to correction

RESERVOIR STORAGE (Thousand Acre Feet)

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average †
PRICE RIVER	Scofield	65.8	33.8	49.0	34.7
SAN RAFAEL	Huntington North	3.9	1.7	1.8	2.4 ^b
	Joe's Valley	54.6	33.3	37.3	36.0 ^b
	Mill Site	16.7	5.9	9.8	--
	Ken's Lake	2.7	1.5	--	--
SAN JUAN	Navajo	1696.0	1210.0	1300.0	--

+ - 1963-77 15 Year Average Period

b - Average of all past record - less than 15 years

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
Mammoth-Cottonwood R.S.	1/28	59	18.9	3.4	13.2
Monticello City Park	1/29	5	0.5	0.0	--
Mud Creek	1/28	48	13.4	1.3	8.8
Seeley Creek	1/28	33	10.9	2.2	9.3 ^b
White River #1	1/29	42	12.1	2.5	8.6
White River #3	1/29	29	8.7	0.2	--

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Federal Bldg. - Room 4012
Salt Lake City, Utah 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300



POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
AGR-101



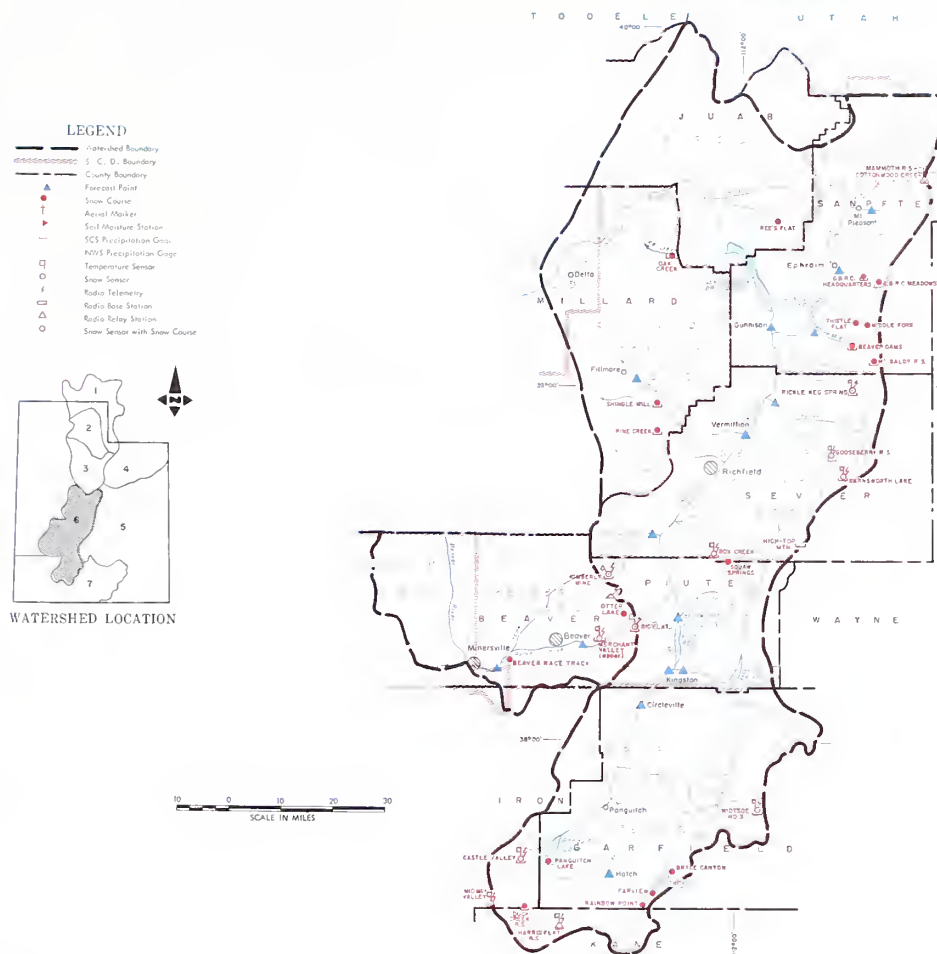
FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

WATER SUPPLY OUTLOOK

SEVIER RIVER BASIN including BEAVER RIVER in UTAH

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



FEBRUARY 1, 1982

THE WATER SUPPLY OUTLOOK IS NEAR AVERAGE

SNOW COVER ranges from 94% of the February 1 average on the South Fork Sevier to 135% on the East Fork. The Lower Sevier is 124% and Beaver River is 132% of the February 1 average.

PRECIPITATION at mountain stations for the October-January period has ranged from 128% of average at Merchant Valley on the Beaver to 178% at G.B.R.C. Majors on the San Pitch.

SOIL MOISTURE is near average at higher elevations.

RESERVOIR STORAGE is above average. Sevier River reservoirs are 150% of average and Minersville is 133% of the February 1 average.

STREAMFLOW FORECASTS range from 106% of the April-July average for Clear Creek to 150% for Minersville Inflow on the Lower Beaver. Water users in this area can expect adequate water supplies this year if the next two to three months have near normal snow accumulation.

SEVIER RIVER BASIN INCLUDING BEAVER RIVER IN UTAH

STREAMFLOW FORECASTS

STREAMFLOW FORECASTS	THIS YEAR			PAST RECORD	
	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
SEVIER RIVER					
Sevier at Hatch	45	110	Apr-July		41
Sevier nr Circleville	30	125	Apr-July		29
Sevier nr Kingston	25	109	Apr-July		23
Antimony Crk nr Antimony	9.0	123	Apr-July		6.9
East Fork Sevier nr Kingston1/	17.0	112	Apr-July		15.2
Sevier below Piute Dam	40	111	Apr-July		36
Clear Crk nr Sevier (abv Div)	20	106	Apr-July		17.8
Sigurd to Gunnison	32	123	Apr-July		
Kingston to Vermillion Dam	64	114	Apr-June		56
Vermillion Dam to Gunnison	44	127	Mar-June		35
Salina Creek at Salina	15.0	129	Apr-June		11.1
Sevier nr Gunnison	58	116	Apr-July		50
Chalk Creek nr Fillmore	20	123	Apr-July		16.3
Chicken Creek nr Levan	4.2	135	Apr-July	1.4	3.1
Oak Cr. nr Oak City	1.5	107	Apr-July	0.9	1.4
Ephraim Creek nr Ephraim	18.8	130	Apr-July		8.6
Pleasant Crk nr Mt. Pleasant	11.0	131	Apr-July		
Salt Creek nr. Nephi	14.2	116	Apr-July		12.2
Beaver nr Beaver	28	140	Apr-July	19.3	20
North Creek (Combined)	18.4	135	Apr-July		13.7
Minersville Inflow	9.9	150	Apr-June		6.6

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF			
		Last Year	Average		
UPPER SEVIER RIVER					
East Fork Sevier	4	809	135		
South Fork Sevier	5	378	94		
LOWER SEVIER	9	337	124		
BEAVER RIVER	3	308	132		
1-Observed flow corrected for change in storage and diversions					
2-Provisional flows - Subject to correction					
RESERVOIR STORAGE (Thousand Acre Feet)					
BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average†
SEVIER RIVER	Gunnison	18.2	13.4	18.2	11.7
	Otter Creek	52.5	39.6	52.5	29.6
	Piute	71.8	57.2	60.4	40.1
	Sevier Bridge	236.0	178.7	227.6	113.6
BEAVER RIVER	Minersville (Rky (Fd)	23.3	16.0	22.8	12.0
b - Average of all past record - less than 15 years					
+ - 1963-77 15 Year Average Period					

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
NAME					
Big Flat	1/26	52	14.2	5.0	10.0
Bryce Canyon	1/30	17	3.9	0.0	3.0
Castle Valley	1/26	33	7.1	2.5	7.5 ^a
Duck Creek	1/26	34	7.4	0.0	8.0
Farnsworth Lake	1/27	52	14.5	5.7	11.8
Gooseberry R.S.	1/27	29	7.3	2.8	7.4

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)	
				Last Year	Average †
NAME					
Harris Flat	1/26	23	5.2	0.0	5.3
Kimberly Mine	1/25	43	10.6	4.4	9.5 ^b
Long Valley Junction	1/26	16	3.4	0.0	3.2
Merchants Valley Upper	1/26	34	8.9	2.8	7.5 ^b
Midway Valley	1/27	40	10.1	3.8	12.7
Otter Lake	1/26	38	9.7	2.9	7.5
Pickle Keg Springs	1/28	45	12.4	2.9	10.5
Widtsoe-Escalante #3	1/26	37	8.2	2.9	6.4

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Federal Bldg. - Room 4012
Salt Lake City, Utah 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300



POSTAGE AND FEES PAID
U. S. DEPARTMENT OF AGRICULTURE
AGR-101



FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

UNITED STATES DEPARTMENT OF AGRICULTURE-SOIL CONSERVATION SERVICE
UTAH STATE DEPARTMENT OF NATURAL RESOURCES



SNOW COVER is generally below average in this area and ranges from 62% of the February 1 average in the Enterprise-New Harmony area to 96% on Parowan Creek. The Virgin River is 84% and Coal Creek is 90% of average.

SOIL MOISTURE is below average.

STREAMFLOW FORECASTS range from 70% of the April-June average on the Santa Clara to 101% on Coal Creek and 127% for Lake Powell Inflow. Virgin River is forecast 87% of average at Hurricane. Water users in this area may experience some shortages after mid-season.

EAST GARFIELD, KANE, WASHINGTON AND IRON COUNTIES IN UTAH

STREAMFLOW FORECASTS

BASIN, STREAM and/or FORECAST POINT	THIS YEAR		FORECAST PERIOD	PAST RECORD	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
VIRGIN RIVER					
Virgin nr Hurricane	42	87	Apr-June		48.5
Santa Clara nr Pine Valley	5.5	70	Apr-June		4.1
COAL CREEK					
Coal Creek nr Cedar City	16.8	101	Apr-July		16.7
UPPER COLORADO					
Lake Powell Inflow	8,800	127	Apr-July		6952
2 - Provisional Flows - Subject to correction					

SUMMARY of SNOW MEASUREMENTS (COMPARISON WITH PREVIOUS YEARS)

RIVER BASIN and/or SUB-WATERSHED	Number of Courses Averaged	THIS YEAR AS A PERCENT OF	
		Last Year	Average
COAL CREEK	1	413	107
VIRGIN RIVER	3	474	84
PAROWAN CREEK	3	283	96
ENTERPRISE - NEW HARMONY RESERVOIR STORAGE (Thousand Acre Feet)	1		62

BASIN OR STREAM	RESERVOIR	Usable Capacity	USEABLE STORAGE		
			This Year	Last Year	Average †
COLORADO	Lake Powell Blue Mesa	25002.0 829.5	19606.0 326.0	21853.0 484.5	--
b - Average of all past record - less than 15 years					
+ - 1963-77 15 year Average Period					

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD	
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Last Year	Average †
Birch Crossing	1/28	18	4.5	0.3	4.3 ^b
Brian Head	1/27	48	11.6	4.5	12.4 ^b
Harris Flat	1/26	23	5.2	0.0	5.3
Kolob-Crystal	1/27	44	9.5	2.3	13.3 ^b
Little Grassy	1/27	19	4.1	0.0	--
Long Flat	1/27	13	2.9	0.0	4.7

SNOW

DRAINAGE BASIN and/or SNOW COURSE	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	PAST RECORD	
				Last Year	Average †
Long Valley Junction	1/26	16	3.4	0.0	3.2
SUSC Ranch	1/28	23	6.2	1.5	5.8 ^b
Tall Poles	1/28	32	8.2	3.8	8.5 ^b
Webster Flat	1/27	39	9.4	2.4	10.2
Yankee Reservoir	1/27	23	5.0	1.0	--

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
Federal Bldg. - Room 4012
Salt Lake City, Utah 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE, \$300



POSTAGE AND FEES PAID
U. S. DEPARTMENT OF AGRICULTURE
AGR-101



FIRST CLASS MAIL

"The Conservation of Water begins with the Snow Survey"

SNOW

DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)						
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE			
				Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average	
NAME												
GREAT BASIN												
UPPER BEAR RIVER												
(Above Harer, Idaho)												
Burts-Miller Ranch	1/27	23	5.0	1.9		1/27			9.50			
CCC Camp	1/28	45	11.0	3.4	8.6							
Hayden Fork	1/27	50	13.6	5.3	9.6 ^b	1/27	6.10 ^a		19.93			
Monte Cristo R.S.	1/26	63	18.9	5.0	16.3	1/26	8.90 ^a	6.10 ^b	21.61	17.12	126	
Salt River Summit	1/28	60	15.4	5.2	11.0	1/28	5.56	4.18	18.06	11.35	164	
Stillwater Camp	1/27	39	10.5	3.3	7.2	1/27			14.31			
Lily Lake	1/27	50	12.8	3.3	8.8 ^a	1/27	5.60 ^a		15.50 ^a			
LOWER BEAR RIVER												
(Below Harer, Idaho)												
Bug Lake	1/26	64	18.8	5.3	13.1 ^b	1/26			19.60 ^a			
Cub River R.S.	1/26	32	8.6	2.8	6.4							
Emigrant Summit	1/28	80	24.5	7.1	17.0							
Franklin Basin	1/26	64	21.2	5.2	17.8 ^a	1/26	10.30 ^a		29.10 ^a			
Garden City Summit	1/26	50	14.7	3.9	11.6	1/26		4.27	11.06	12.33	90	
Klondike Narrows	1/26	58	17.3	4.0	13.0	1/26		5.49 ^b	20.21	15.41 ^b	131	
Little Bear (lower)	1/25	37	10.4	3.2	6.2							
Little Bear (upper)	1/25	40	11.3	3.3	8.7 ^b	1/25			21.60 ^a			
Slug Creek Divide	1/27	51	15.5	4.4	11.5							
Steep Hollow #1	1/26	99	33.0	8.2	23.3							
Steep Hollow #2	1/26	67	21.0	6.0	17.1							
Tony Grove Lake	1/26	100	31.8	7.0	21.5 ^b	1/26	6.10 ^a		24.50 ^a			
Tony Grove R.S.	1/26	45	12.0	2.5	8.6	1/26			22.60			
Willow Flat	1/26	49	14.2	3.8	10.9	1/26		5.0 ^b	11.15	15.14	74	
OGDEN RIVER												
Beaver Creek-Skunk Creek	1/25	38	11.0	2.2	8.3							
Ben Lomond Peak	1/25	88	27.0	7.1	22.4 ^b	1/25			35.30 ^a			
Ben Lomond Trail	1/25	65	17.8	3.7	12.4 ^b	1/25	12.60 ^a	7.56 ^b	17.28	20.51 ^b	84	
Causey Dam						1/25		2.56 ^b	12.31	9.49	130	
Dry Bread Pond	1/25	47	14.0	3.6	12.2	1/25	6.40 ^a		17.60 ^a	16.96 ^b	104	
Sagebrush Flat	1/25	26	6.9	0.2	4.1					9.49		
WEBER RIVER												
Beaver Creek R.S.	1/27	30	8.6	3.9	5.9							
Chalk Creek #1	1/27	76	21.4	8.0	13.6 ^a	1/27	10.40 ^a		26.20 ^a			
Chalk Creek #2	1/27	51	13.1	5.8	9.7	1/27	5.50 ^a		16.00 ^a			
Chalk Creek #3	1/27	29	7.0	3.0	5.4	1/27			14.73	11.26 ^b	131	
East Shingle Lake (A)												
Farmington Canyon (lower)	1/25	63	16.6	5.6	14.0 ^b	1/25		5.22 ^b	23.49	18.36	128	
Farmington Canyon (upper)	1/25	79	23.0	6.3	19.5 ^b	1/25	12.70 ^a		28.30 ^a			
Farmington G.S.												
Hardscrabble	1/25	50	15.1									
Horse Ridge	1/25	65	18.2	4.4	15.0 ^a	1/25	9.00 ^a		22.80 ^a			
Kilfoil Creek	1/25	49	12.3	3.7								
Lost Creek Reservoir	1/25	25	6.8									
Park City Summit	1/27	94	33.0	8.6								
Parley's Canyon Summit	1/29	55	14.6	4.9	12.7	1/29	4.25	4.31	21.60	14.80	146	
Pine Canyon	1/25	50	13.9									
Redden Mine (lower)	1/27	53	14.7	5.5		1/27			20.74			
Smith & Morehouse	1/27	41	11.5	4.3	8.9	1/27	6.60 ^a	3.55	17.37	11.90	119	
Sargeant Lake (A)				1.3								
PROVO RIVER & UTAH LAKE												
Beaver Creek Divide	1/27	46	11.8	5.4	8.9 ^b	1/27	6.60 ^a		21.30 ^a			
Camp Altamont	1/30	45	13.8	9.2	10.2							
Clear Creek Ridge #1	1/29	53	16.0	3.9	11.2 ^b	1/29	7.70 ^a		21.40 ^a	10.87 ^b		
Clear Creek Ridge #2	1/29	48	13.5	4.0	9.6 ^b	1/29	6.20 ^a		13.57			
Clear Creek Ridge #3	1/29	29	7.2	2.2	5.5							
Dutchman R.S.	1/30	56	19.0	8.0	12.9					17.60 ^b		
Hobble Creek Summit	1/29	48	13.9	3.5	9.6					14.47		
Payson R.S.	1/25	52	13.4	4.1	12.2	1/25	6.70 ^a		18.00 ^a			
Soapstone R.S.	1/27	45	11.8	3.8	8.6	1/27		3.30	17.59	12.04	146	
South Fork R.S.	1/28	25	7.9	3.3	4.5			3.39		11.16		
Timpanogos Cave Camp	1/28	9	2.8	0.4	2.3							
Timpanogos Divide	1/30	62	20.0	11.2	16.9	1/30	13.40	4.97	22.20	17.43	127	
Trial Lake	1/27	83	22.8	10.0	15.6	1/27	9.70 ^a	4.71	25.10	16.20	155	

SNOW

DRAINAGE BASIN and/or SNOW COURSE NAME	THIS YEAR			PAST RECORD		PRECIPITATION (Inches)					
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		CURRENT INFORMATION			FROM APPROX. OCT 1 TO DATE		
				Last Year	Average †	Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
JORDAN RIVER & GREAT SALT LAKE											
Bevan's Cabin											
Lamb's Canyon #2	1/29	57	16.4	4.4	11.1 ^a	1/29	4.75		9.45		
Middle Canyon	1/29	31	8.6	3.7	9.2	1/29	2.83	2.71 ^b	18.95	9.74	195
Mill Creek	1/26	57	15.4	4.5							
Mill D South Fork	1/28	64	19.0	4.9	13.2						
Mt. Dell Dam								2.16		9.73	
Rock Basin-Settlement	2/1	62	19.1			2/1			17.05		
Silver Lake (Brighton)	1/28	73	24.2	7.4	15.8			5.36		18.07	
Snow Bird (Gad Valley)	1/25	102	30.9		23.6 ^a						
Vernon Creek	1/30	32	8.4	2.0	7.5 ^b	1/30	4.97		15.57		
Desert Peak	2/1	63	21.8			2/1			22.83		
UPPER SEVIER RIVER (South of Richfield, Utah)											
Box Creek	1/27	43	10.9	2.6	7.8	1/27	5.00 ^a		13.32		
Bryce Canyon	1/30	17	3.9	0.0	3.0						
Castle Valley	1/26	33	7.1	2.5	7.5 ^a	1/26	4.20 ^a		10.68		
Duck Creek R.S	1/26	34	7.4	0.0	8.0	1/26		2.87	14.18	10.90	130
Farview	1/29	29	6.4	0.7	5.5						
Harris Flat	1/26	23	5.2	0.0	5.3	1/26	3.10 ^a		9.40 ^a		
Kimberly Mine	1/25	43	10.6	4.4	9.5 ^b	1/25	3.60 ^a	3.30 ^b	16.45	11.20	147
Midway Valley	1/27	40	10.1	3.8	12.7	1/27	6.90 ^a		13.80 ^a		
Panguitch Lake	1/26	14	3.2	0.0		1/26			7.75		
Rainbow Point	1/29	27	7.1	0.2	4.6						
Squaw Springs	1/27	24	5.4	0.5							
LOWER SEVIER RIVER (Including San Pitch River)											
Beaver Dams	1/28	29	8.6	2.5	9.3 ^b	1/28	6.40		14.70		
Farnsworth Lake	1/27	52	14.5	5.7	11.8	1/27	5.60 ^a	3.09	16.01	11.64	138
G.B.R.C. Headquarters	1/28	40	11.0	3.6	9.8	1/28		2.98	17.41	11.52	151
G.B.R.C. Majors						1/29	3.14	1.42	10.07	5.65	178
G.B.R.C. Meadows	1/28	62	21.0	5.7	13.5	1/28		3.84	21.05	13.98	150
G.B.R.C. Oaks								1.03	7.82		
Gooseberry R.S.	1/27	29	7.3	2.8	7.4	1/27	5.00 ^a	2.45 ^b	12.50	7.49 ^b	
Mammoth-Cottonwood Creek	1/28	59	18.9	3.4	13.2	1/28	5.80 ^a		14.20 ^a		
Mt. Baldy R.S.	1/28	73	23.4	5.8							
Oak Creek	1/25	28	6.8	3.8		1/25			16.01		
Pickle Keg Springs	1/28	45	12.4	2.9	10.5	1/28	6.30 ^a		16.60 ^a		
Pine Creek	1/25	41	11.2	3.6	8.8 ^a	1/25			19.38		
Ree's Flat	1/25	40	11.1	4.0					15.84		
Shingle Mill	1/28	24	6.9	3.0	5.7	1/28		2.10 ^b	14.26	10.25	
Gooseberry Reservoir						1/28		3.71	21.28	12.09	176
BEAVER RIVER											
Beaver Canyon Power House								1.23		5.45	
Beaver Race Track	1/29	2	0.4	0.2							
Big Flat	1/26	52	14.2	5.0	10.0	1/26	8.60 ^a		14.21	9.93	143
Merchant's Valley (upper)	1/26	34	8.9	2.8	7.5 ^b	1/26	6.20 ^a		11.74	9.18 ^b	128
Otter Lake	1/26	38	9.7	2.9	7.5						
PAROWAN CREEK											
Birch Crossing	1/28	18	4.5	0.3	4.3 ^b						
Brian Head	1/27	48	11.6	4.5	12.4 ^b						
Tall Poles	1/28	32	8.2	3.8	8.5 ^b	1/28	4.85	2.20 ^b	11.05	9.48 ^b	117
Yankee Reservoir	1/27	23	5.0	1.0		1/27			11.31		
ENTERPRISE TO NEW HARMONY DRAINAGES											
Little Grassy Creek	1/27	19	4.1	0.0		1/27			6.95 ^a		
Long Flat	1/27	13	2.9	0.0	4.7	1/27	2.70 ^a		9.79 ^a		
COAL CREEK											
Cedar City Golf Course	1/28	0	0.0	0.2							
SUSC Ranch	1/28	23	6.2	1.5	5.8 ^b						

SNOW

PRECIPITATION (Inches)

SNOW	THIS YEAR				PAST RECORD		PRECIPITATION (Inches)			FROM APPROX. OCT 1 TO DATE		
	DRAINAGE BASIN and/or SNOW COURSE NAME	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
					Last Year	Average †						
COLORADO RIVER DRAINAGE												
UPPER GREEN RIVER - UTAH												
Ashley-Twin Lakes (A)												
Black's Fork G.S.-East Fork	1/28	33	8.6	3.0		1/28			12.35			
Black's Fork Junction	1/28	32	8.1	2.8		1/28			12.42			
Buck Pasture (A)				5.1								
Burnt Creek	1/28	16	2.5	1.6				1.60 ^b			6.09 ^b	
Grizzly Ridge	1/28	25	5.2	1.6				2.44 ^b			8.75 ^b	
Hewinta G.S.	1/28	33	8.5	3.0		1/28			12.86			
Hickerson Park	1/28	22	4.3	4.1		1/28			7.11			
King's Cabin (upper)	1/28	31	7.5	4.7	7.5	1/28	2.50 ^a		10.77	9.24	117	
Reynolds Park (A)				5.5								
Spirit Lake	1/28	41	10.3	7.8		1/28			13.33			
Steel Creek Park	1/28	56	14.7	7.1	9.4 ^a	1/28	4.10 ^a		14.80 ^a			
Trout Creek	1/28	32	6.6	5.1		1/28	2.20 ^a		8.17			
Henrys Fork (A)												
DUCHESNE RIVER												
Atwood Lake (A)												
Brown Duck Ridge	1/28	70	18.5	7.9	9.5 ^a	1/28	6.60 ^a		17.94 ^a			
Chepeta	1/28	49	11.4	7.4		1/28	3.90 ^a		14.60 ^a			
Currant Creek	1/29	33	8.4	0.3	7.3 ^b	1/29	5.40 ^a		16.60			
Daniels-Strawberry Summit	1/29	42	12.5	2.4	10.0	1/29	8.70 ^a	3.59	20.73	12.03	172	
East Portal	1/29	41	13.3	2.5	7.4	1/29	5.48	3.34	20.43	11.14	183	
Five Points Lake (A)				3.8								
Indian Canyon	1/29	42	11.8	2.4	8.0	1/29	5.10	2.41	14.04	8.69	162	
Jackson Park	1/28	49	11.3	6.5	7.4 ^a	1/28			23.70			
Lakefork Basin (A)				4.9								
Lakefork Mountain #1	1/28	38	9.0	4.8	6.8	1/28	4.60 ^a		13.31	8.68	153	
Lakefork Mountain #3	1/28	19	4.5	3.0	4.2 ^b							
Lightning Lake (A)				11.3								
Mosby Mountain	1/28	27	6.6	3.8	6.3	1/28	2.70 ^a	2.28 ^b	11.40 ^a	8.87	129	
Paradise Park	1/28	43	11.4	6.3	8.3	1/28		2.39 ^b	14.59	9.36	156	
Rock Creek Ranch	1/28	24	6.1	2.5	3.7 ^a	1/28	4.10 ^a		12.43			
Strawberry Divide	1/29	58	18.3	4.0	12.4	1/29	11.00 ^a		29.30 ^a			
PRICE RIVER												
Dry Valley Divide Alternate												
Mud Creek	1/28	48	13.4	1.3	8.8	1/28		2.70	4.45	9.20		
White River #1	1/29	42	12.1	2.5	8.6	1/29	5.20 ^a		15.66			
White River #3	1/29	29	8.7	0.2								
SAN RAFAEL RIVER												
Buck Flat												
Huntington-Horseshoe	1/28	61	22.5	5.4	14.8 ^b	1/28	9.20 ^a		19.35	11.29 ^b	171	
Orange Olsen	1/28	24	5.7	0.0		1/28			9.61	5.22 ^b	184	
Red Pine Ridge	1/28	53	16.0	1.4	10.7	1/28	8.30 ^a		21.42	12.77	168	
Seeley Creek R.S.	1/28	33	10.9	2.2	9.3 ^b	1/28	4.20 ^a		11.90 ^a			
Stuart R.S.	1/28	34	9.1	0.2		1/28			11.82			
Upper Joe's Valley	1/28	36	9.7	0.5	6.6							
Wrigley Creek	1/28	37	10.7	0.9	6.4							
MUDDY RIVER												
Black's Fork												
Dill's Camp	1/28	39	10.9	0.9	7.06	1/28	7.70 ^a		18.29			
FREMONT RIVER												
Black's Flat-U.M. Creek												
Fish Lake	1/27	24	5.7	0.7	5.2	1/27	5.60 ^a		11.25 ^a			
Johnson Valley	1/27	25	5.9	0.1	4.3			1.33 ^b	6.69	6.35	105	

SNOW

SNOW				PRECIPITATION (Inches)							
DRAINAGE BASIN and/or SNOW COURSE	THIS YEAR			PAST RECORD		CURRENT INFORMATION			FROM APPROX OCT 1 TO DATE		
	Date of Survey	Snow Depth (Inches)	Water Content (Inches)	Water Content (Inches)		Date of Reading	Month's Precipitation	Average †	This Year	Average †	Percent of Average
NAME				Last Year	Average †						
SOUTHEASTERN UTAH DRAINAGES											
Buckboard Flat	1/28	24	5.5	2.1	7.1 ^e	1/28	3.40		11.95		
Camp Jackson	1/28	27	6.6	1.1	7.3 ^e	1/28	4.30		10.20		
LaSal Mountain (lower)	1/27	19	4.0	2.9	5.4 ^e						
LaSal Mountain (upper)	1/27	38	10.0	7.0	8.6 ^e	1/27	3.60		14.33		
Monticello City Park	1/29	5	0.5	0.0							
ESCALANTE RIVER											
Widtsoe-Escalante #3	1/26	37	8.2	2.9	6.4	1/26	3.30 ^a	1.58	10.75	7.59	142
VIRGIN RIVER											
Kolob-Crystal	1/27	44	9.5	2.3	13.3 ^b	1/27	5.90 ^a		12.56 ^a		
Long Valley Junction	1/26	16	3.4	0.0	3.2						
Webster Flat	1/27	39	9.4	2.4	10.2	1/27	4.05	3.48	13.88	11.62	119
a - Partly Estimated											
b - Average of past record in average period - less than 15 years											
+ - 1963-77 15 year average period											
(A) - Aerial Marker Reading											

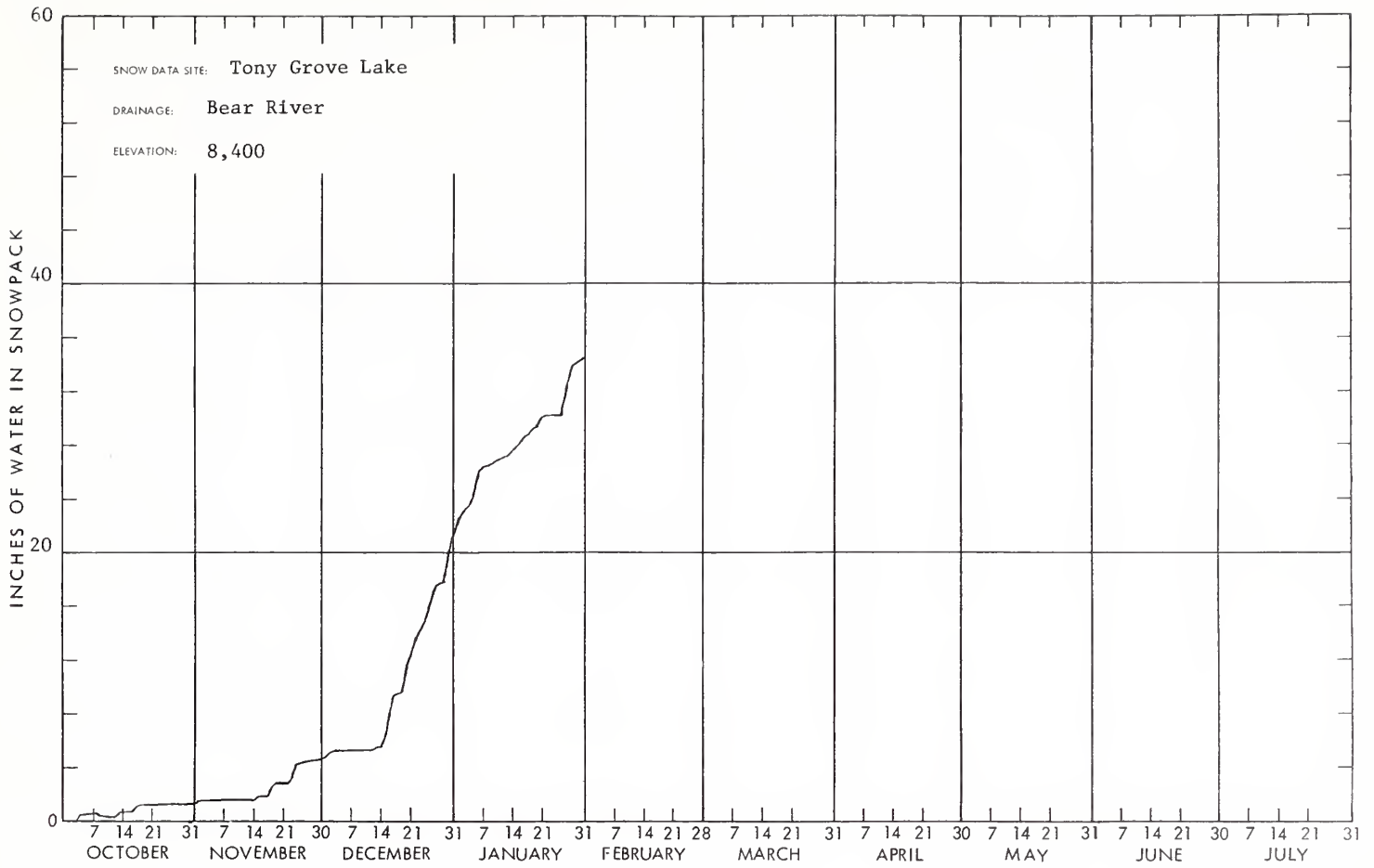
a - Partly Estimated

b - Average of past record in average period - less than 15 years

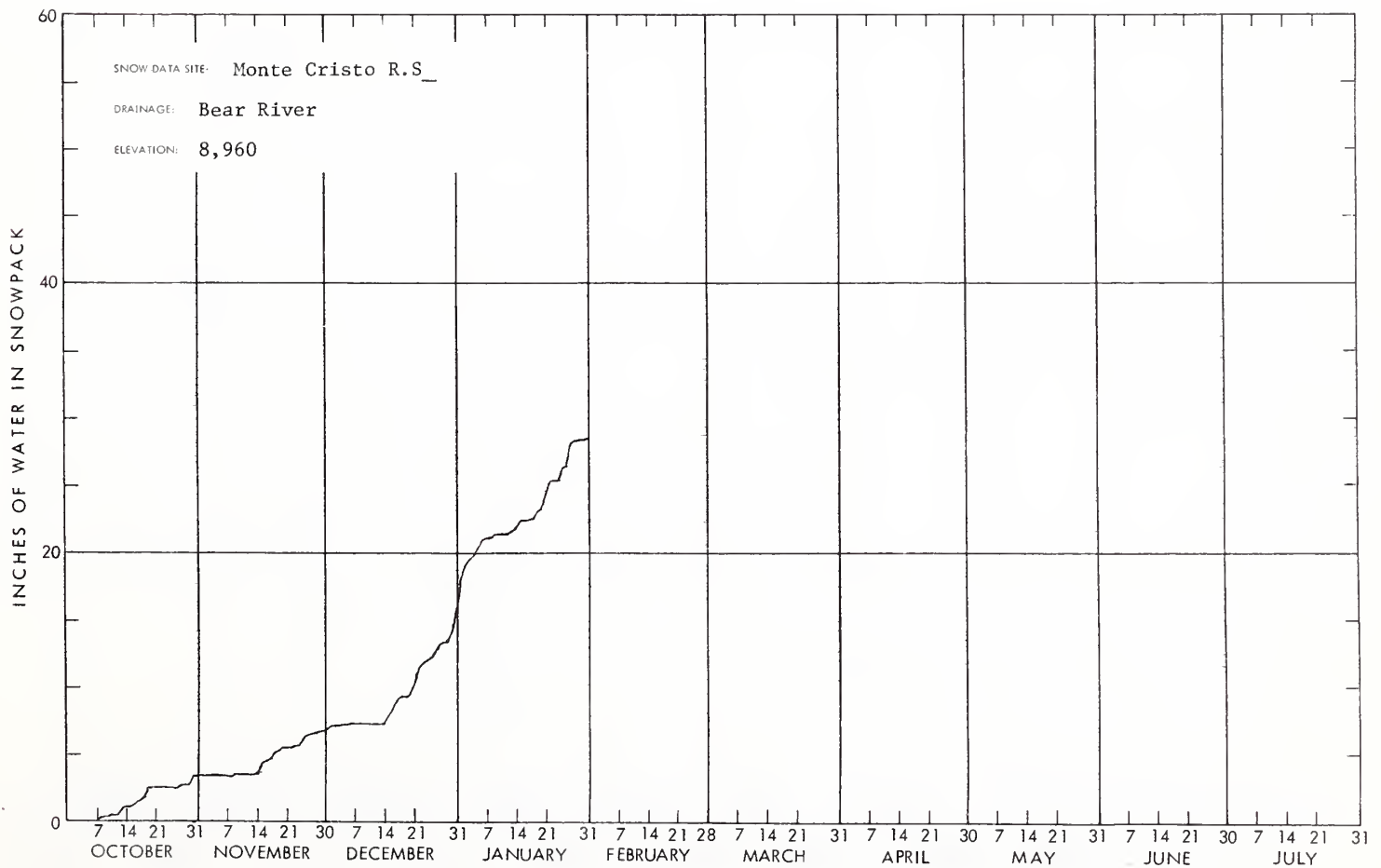
+ - 1963-77 15 year average period

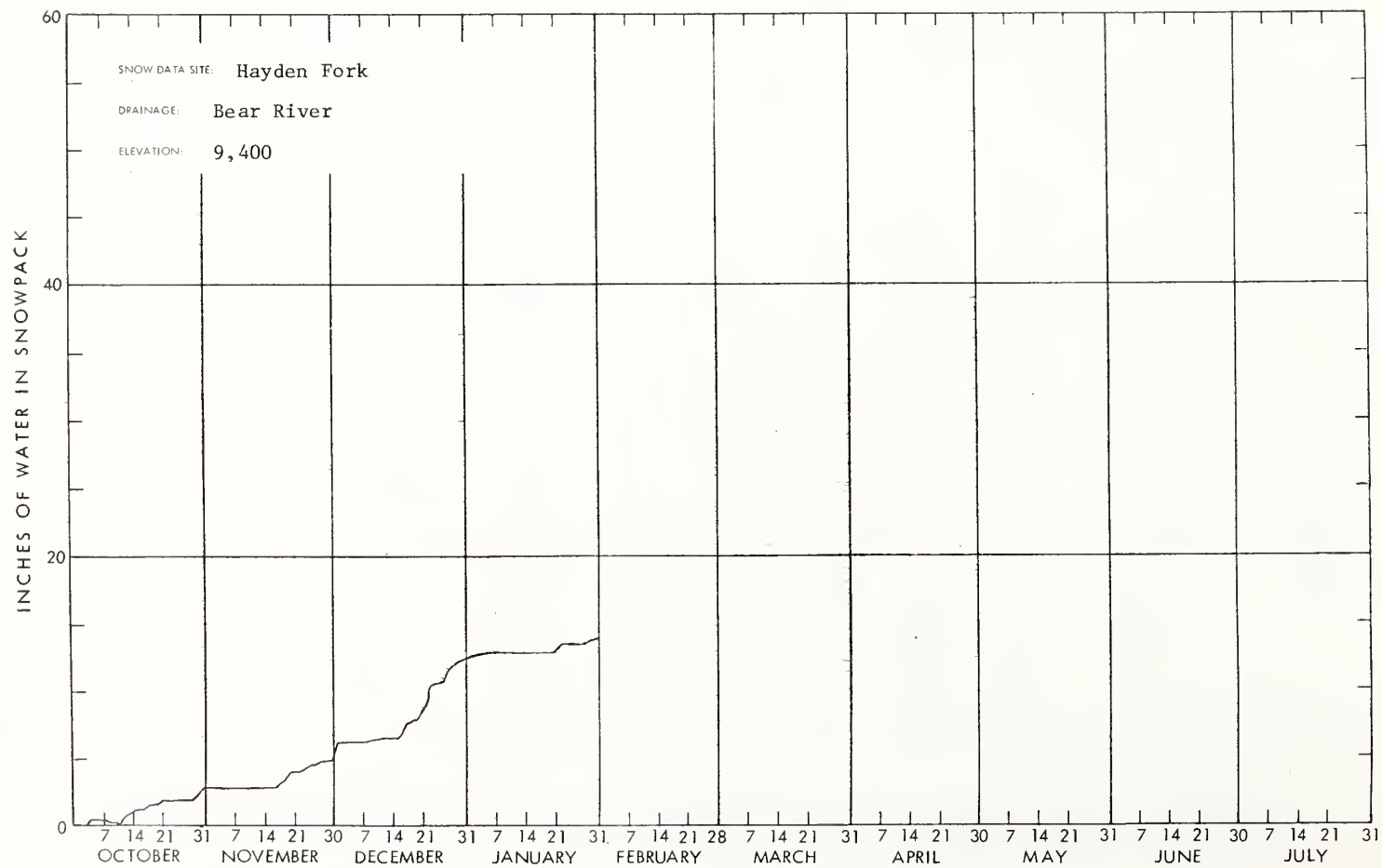
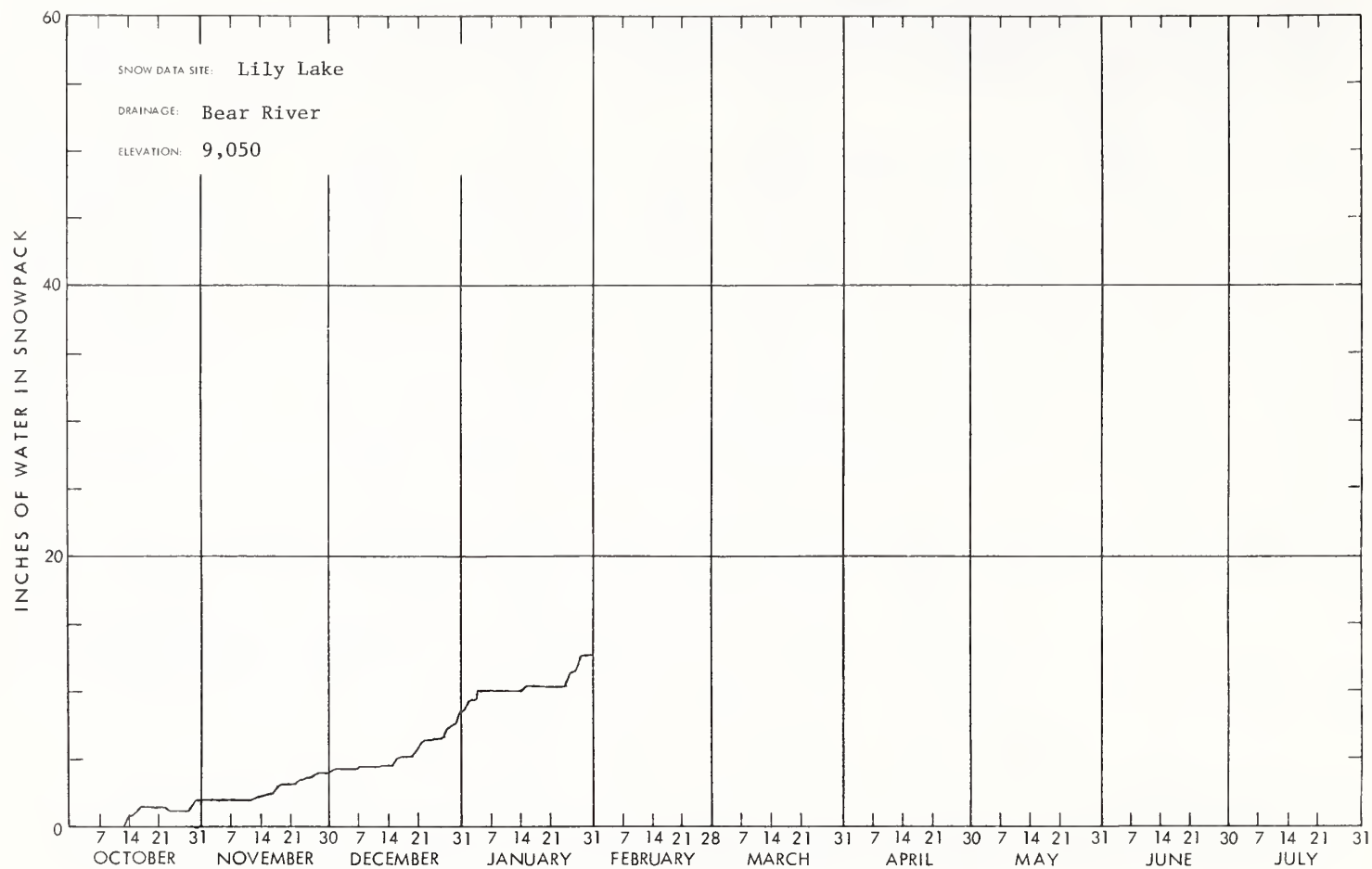
(A) - Aerial Marker Reading

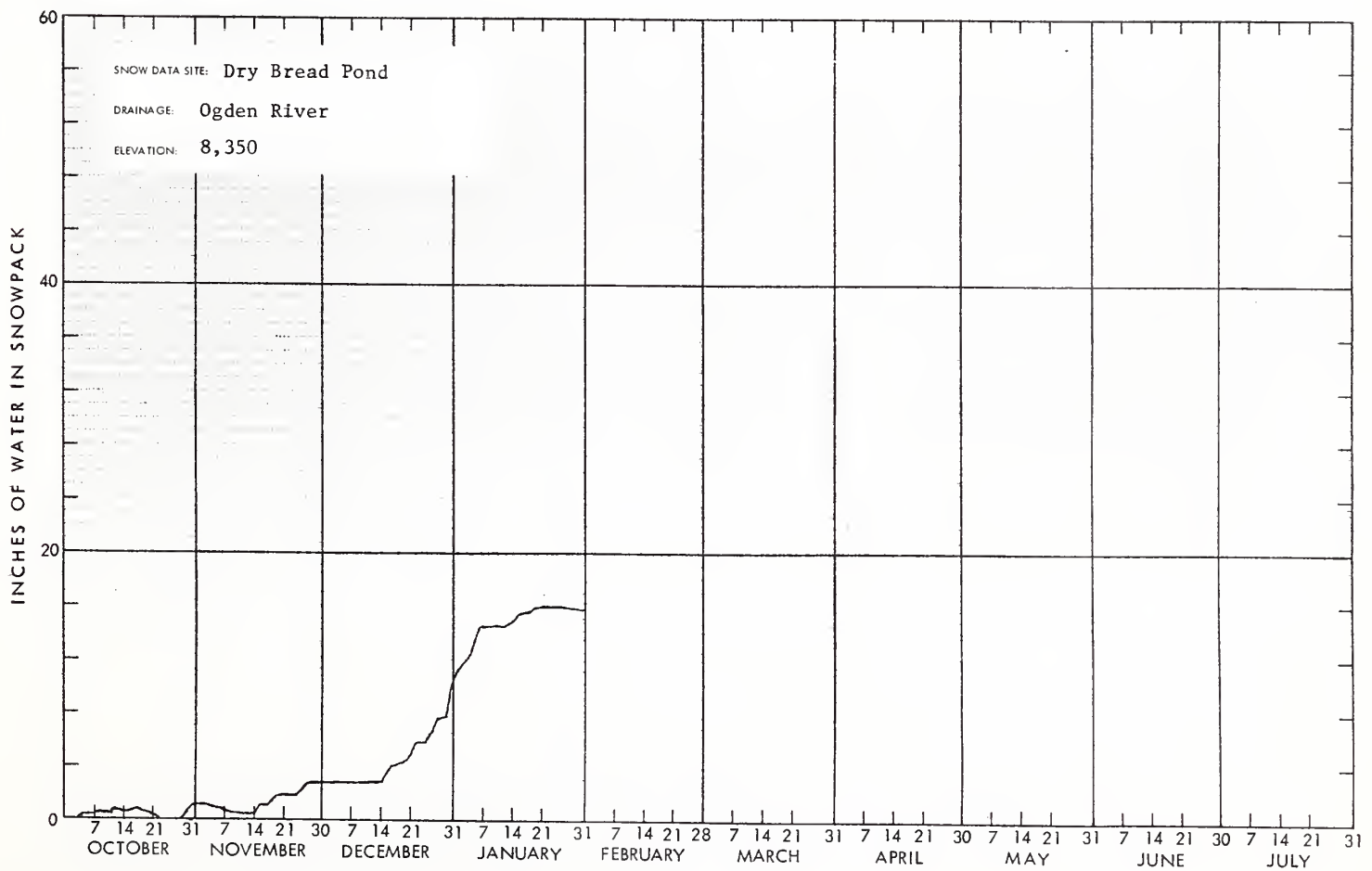
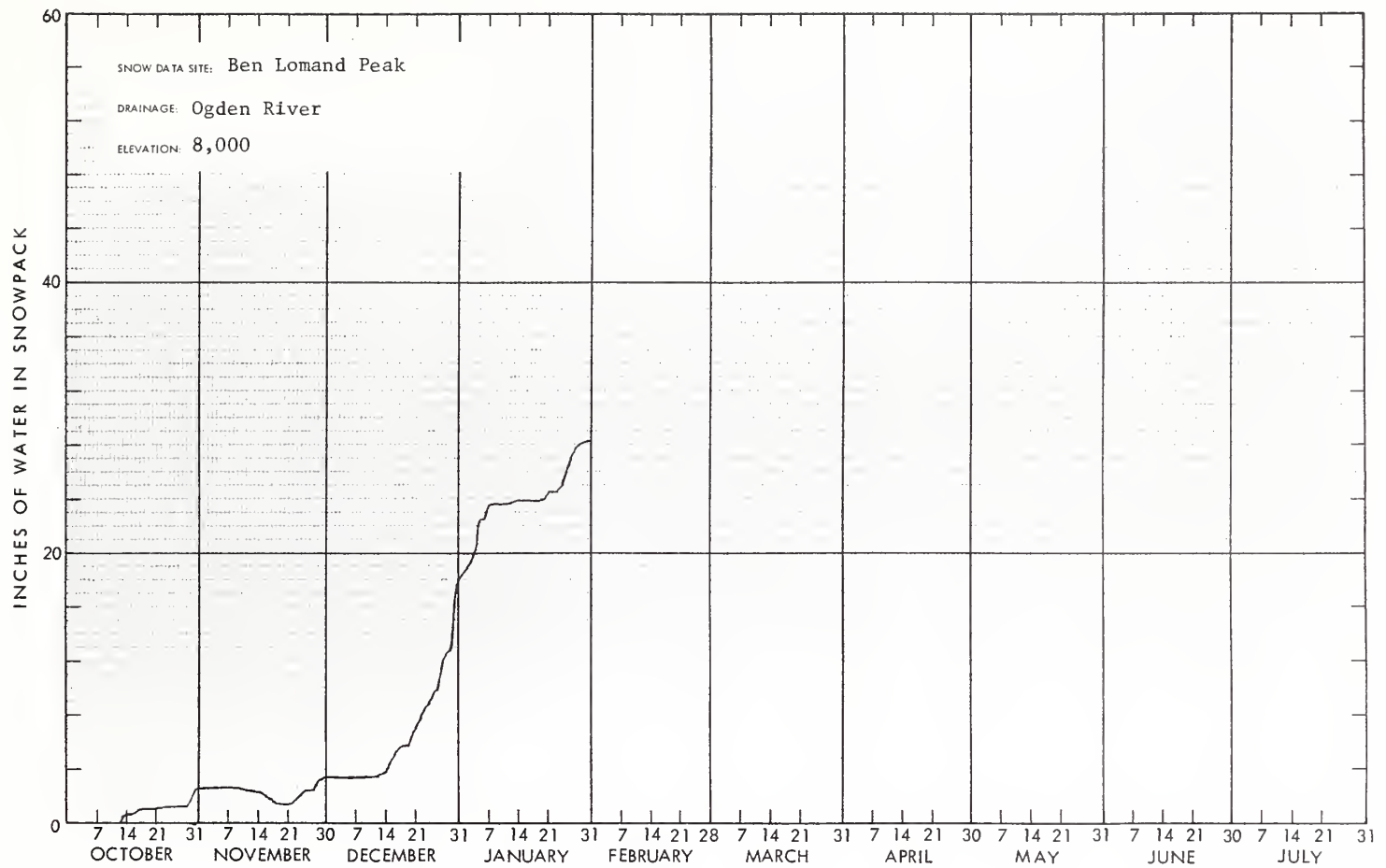
WSFB-X13A

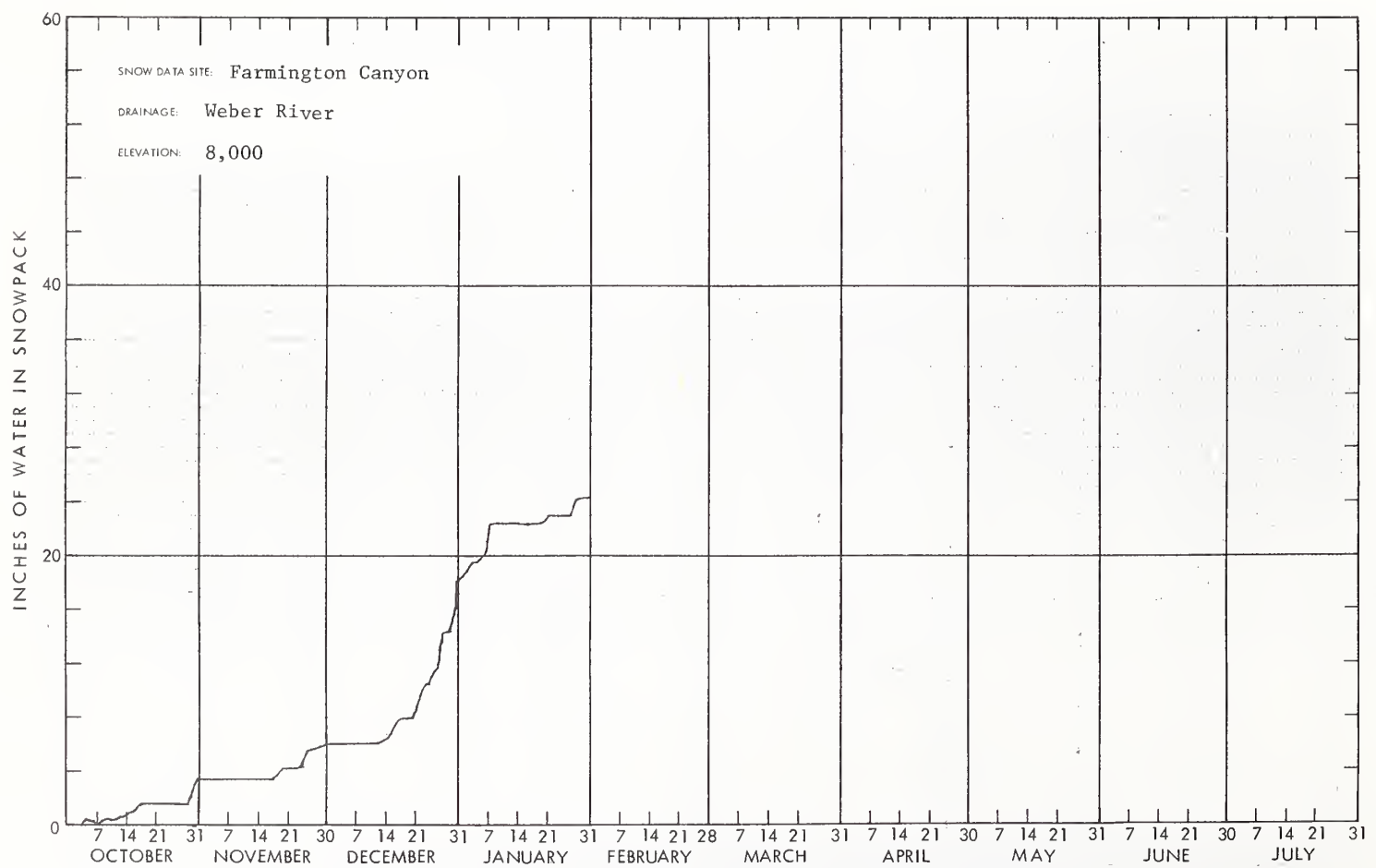
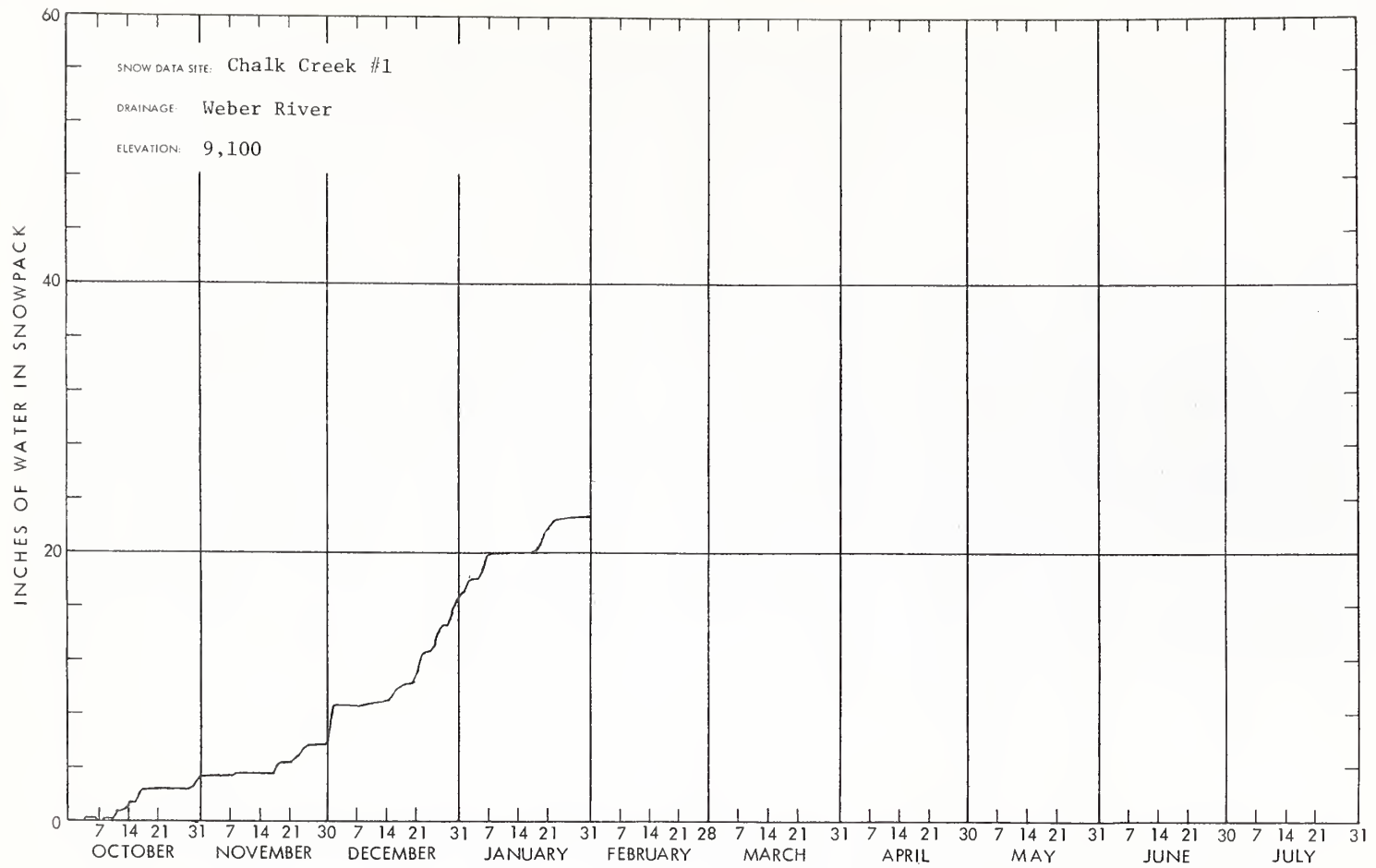


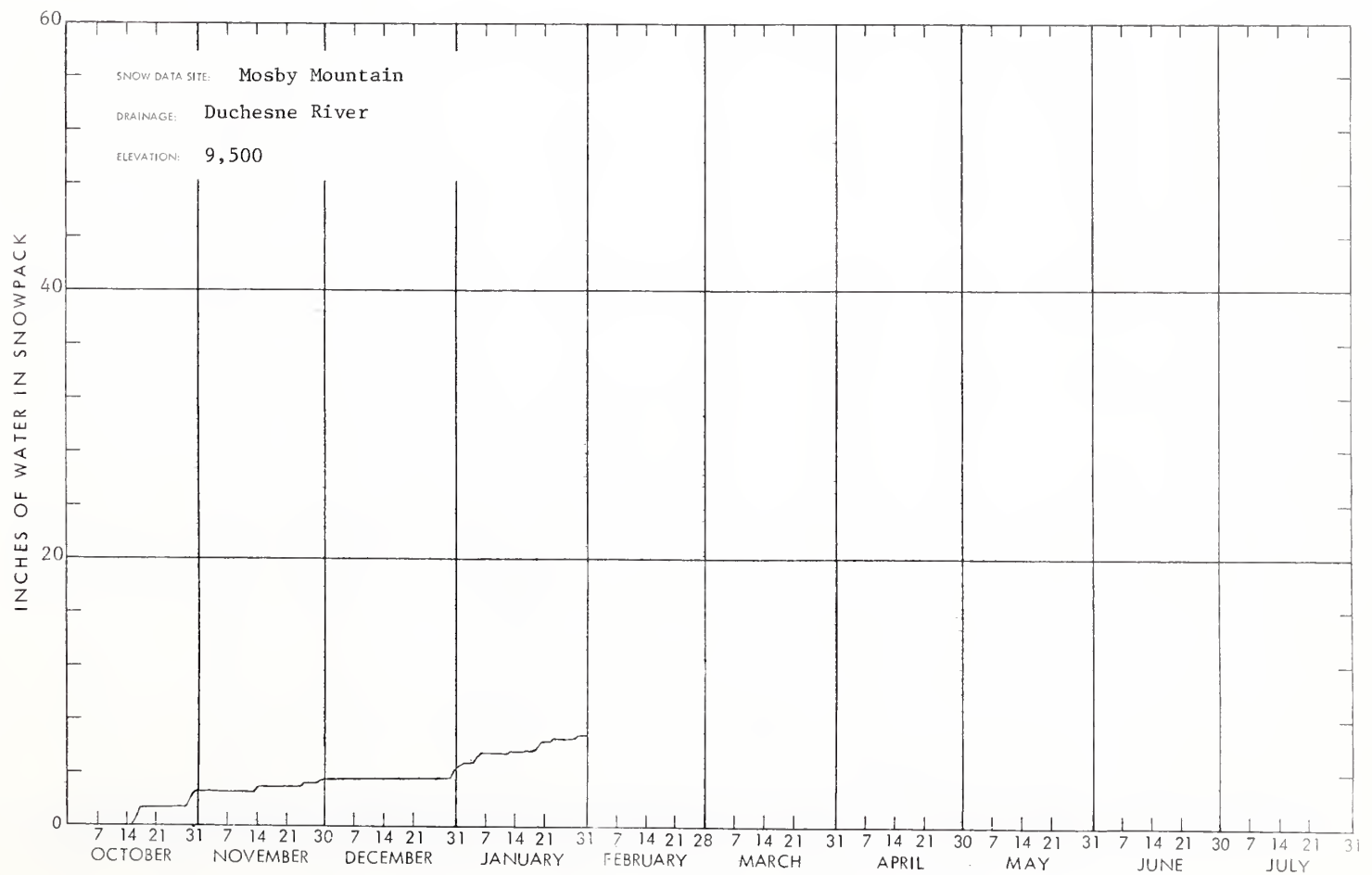
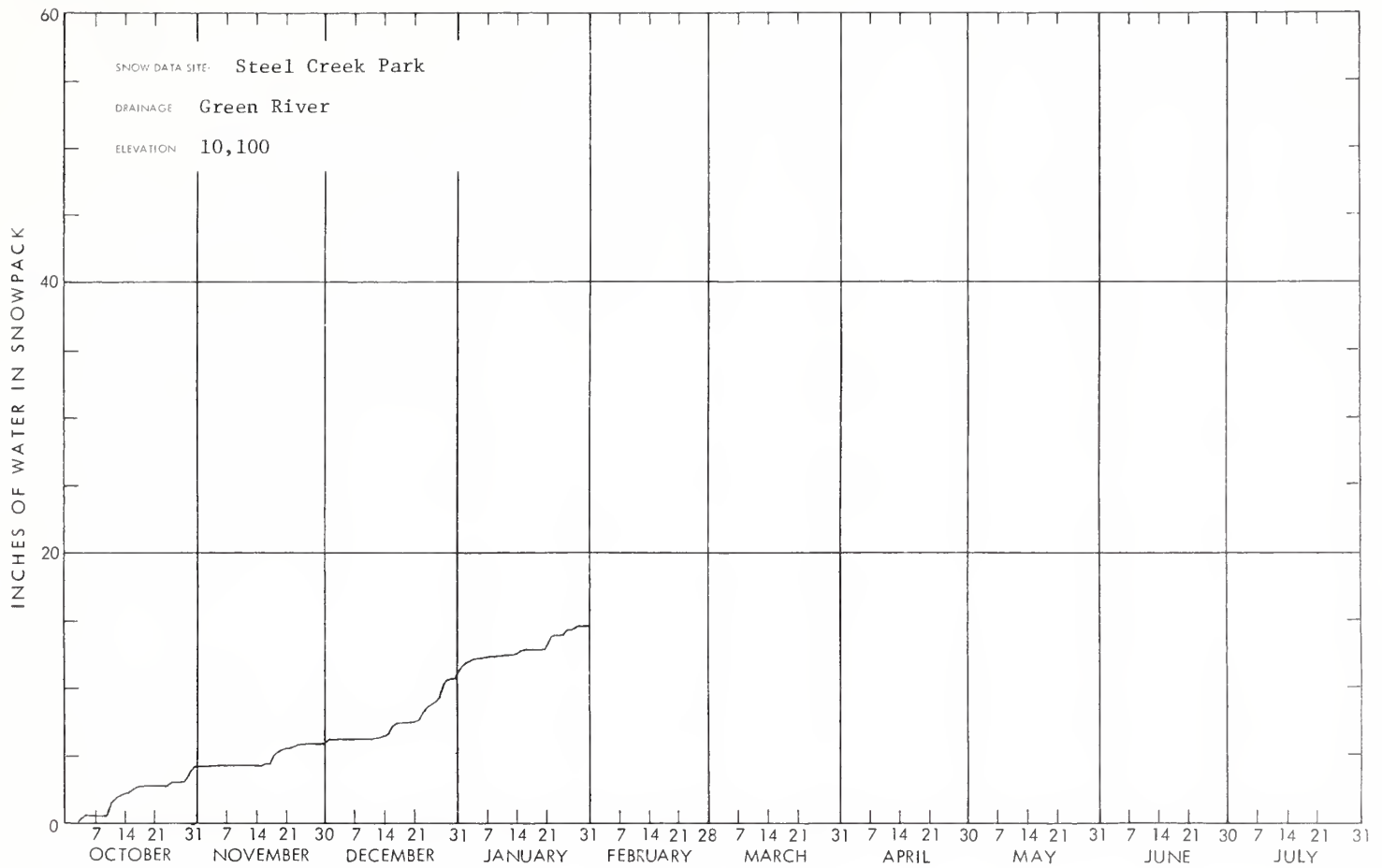
WSFB-X13C

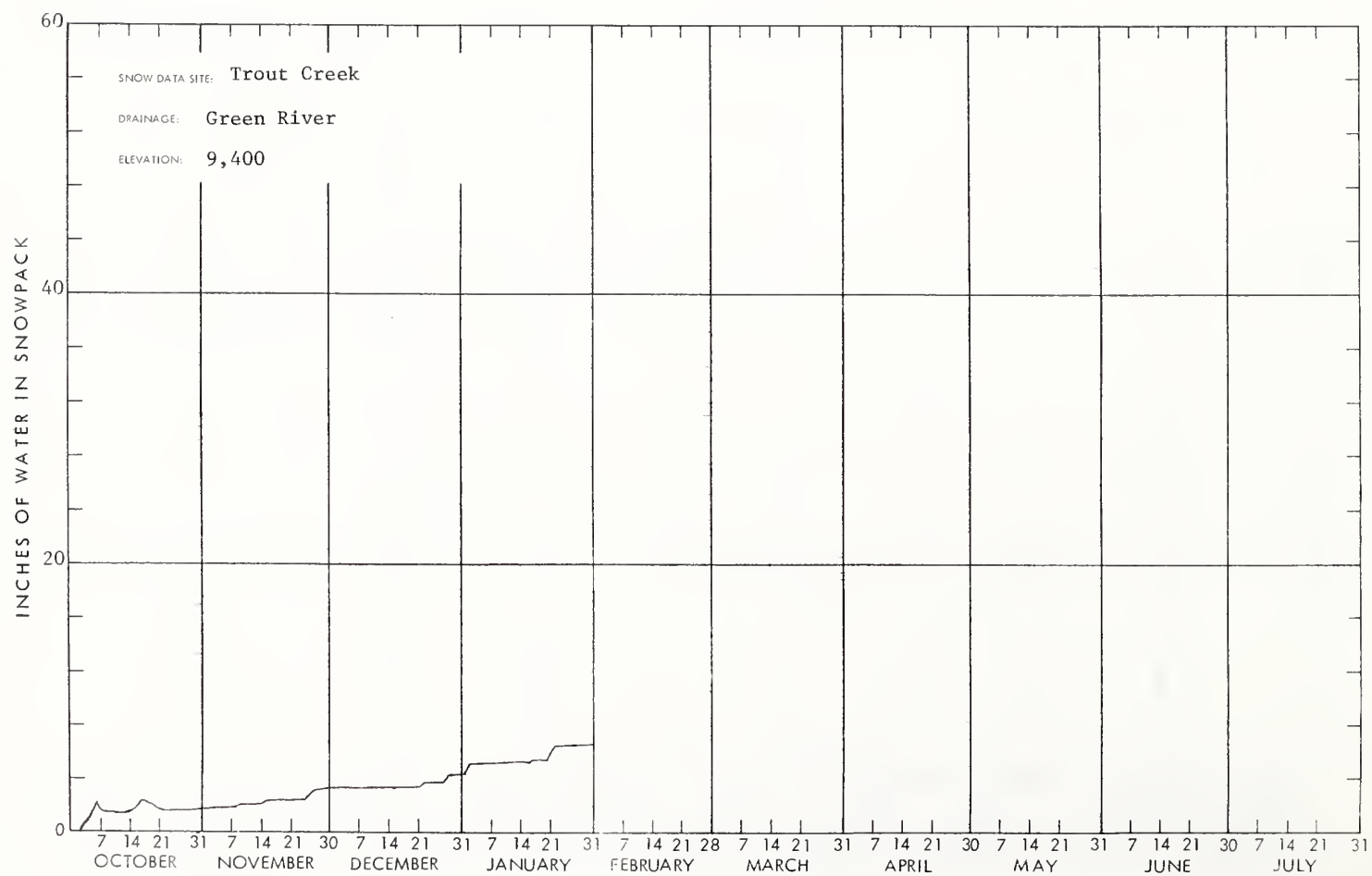
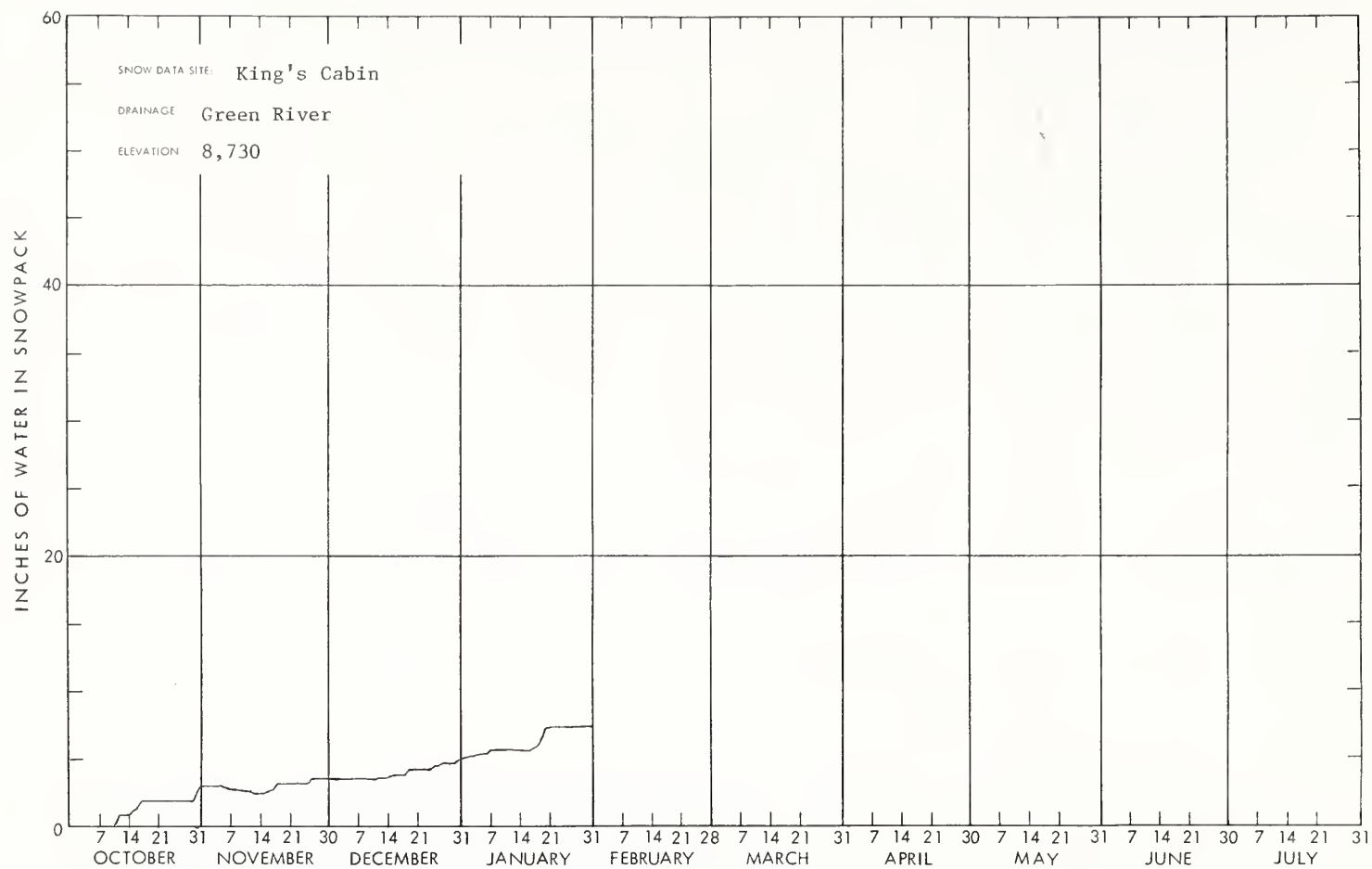


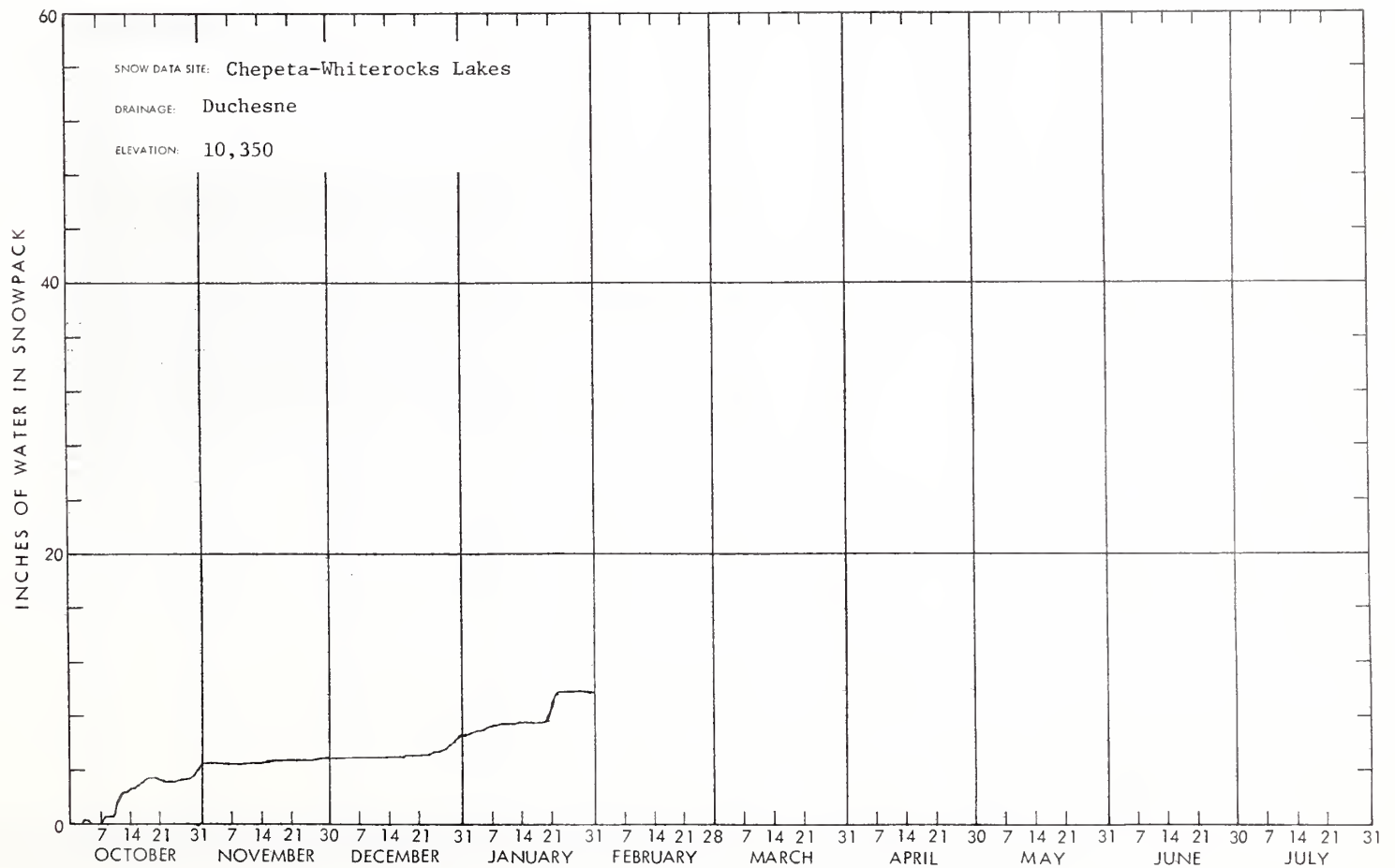
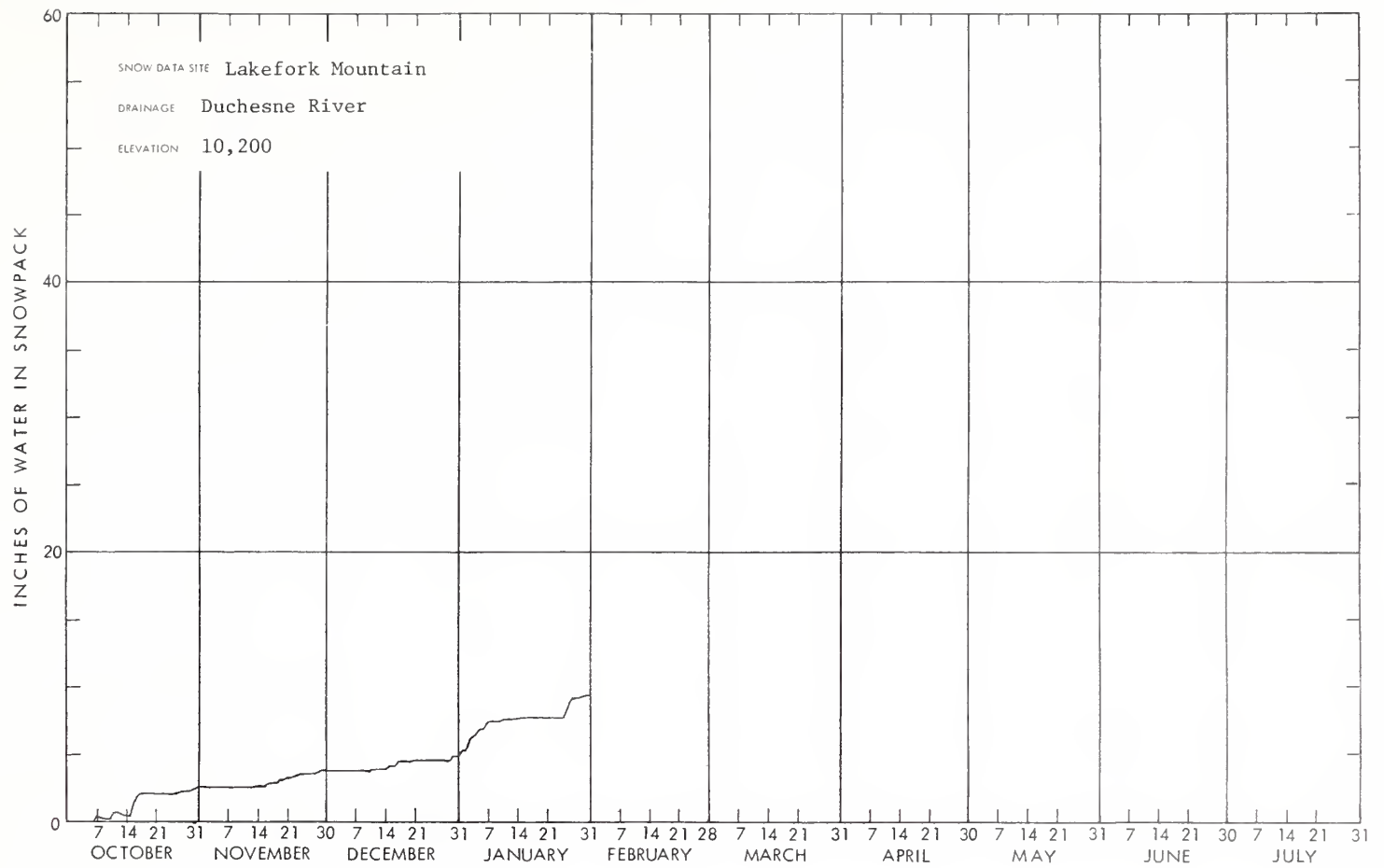


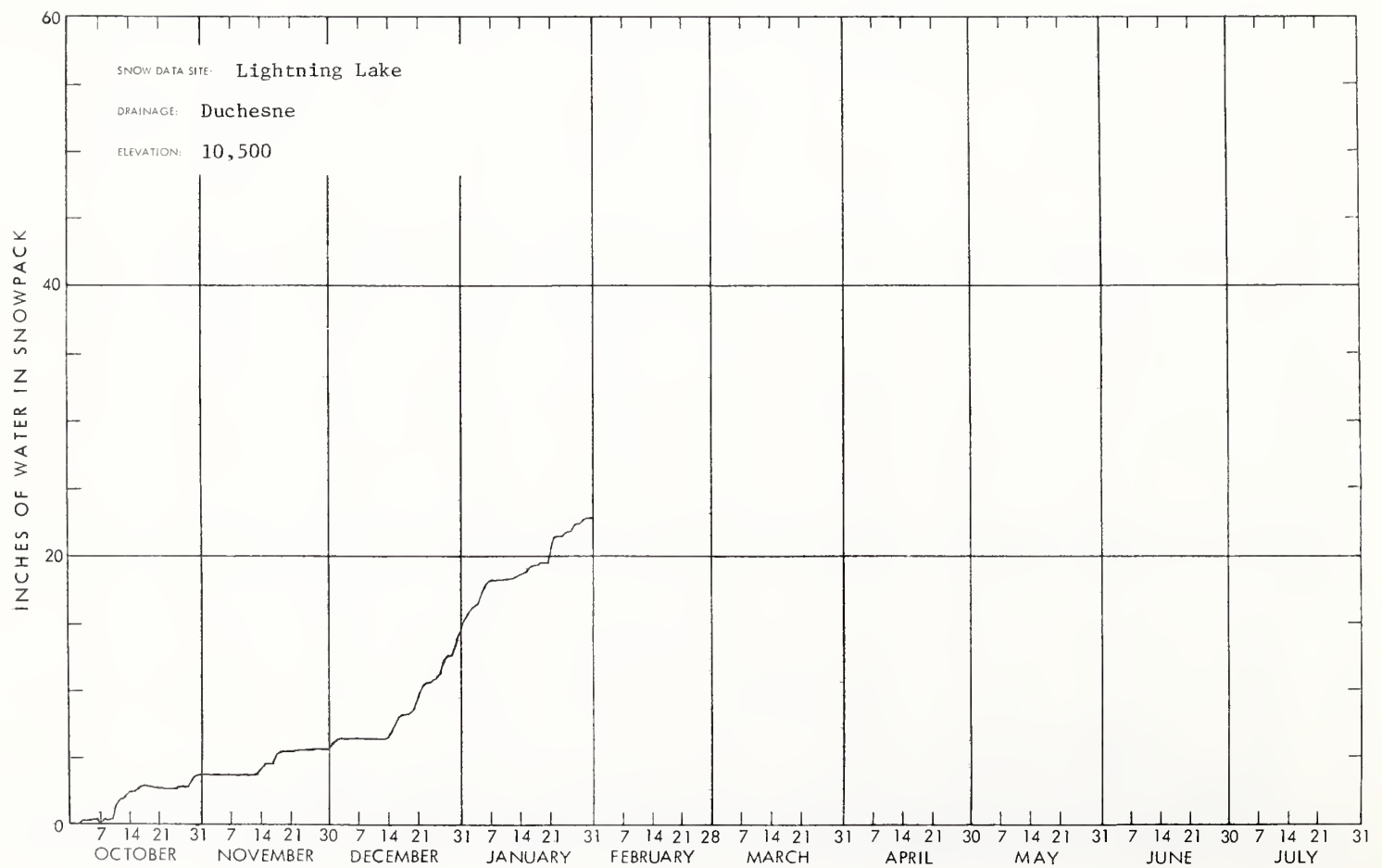
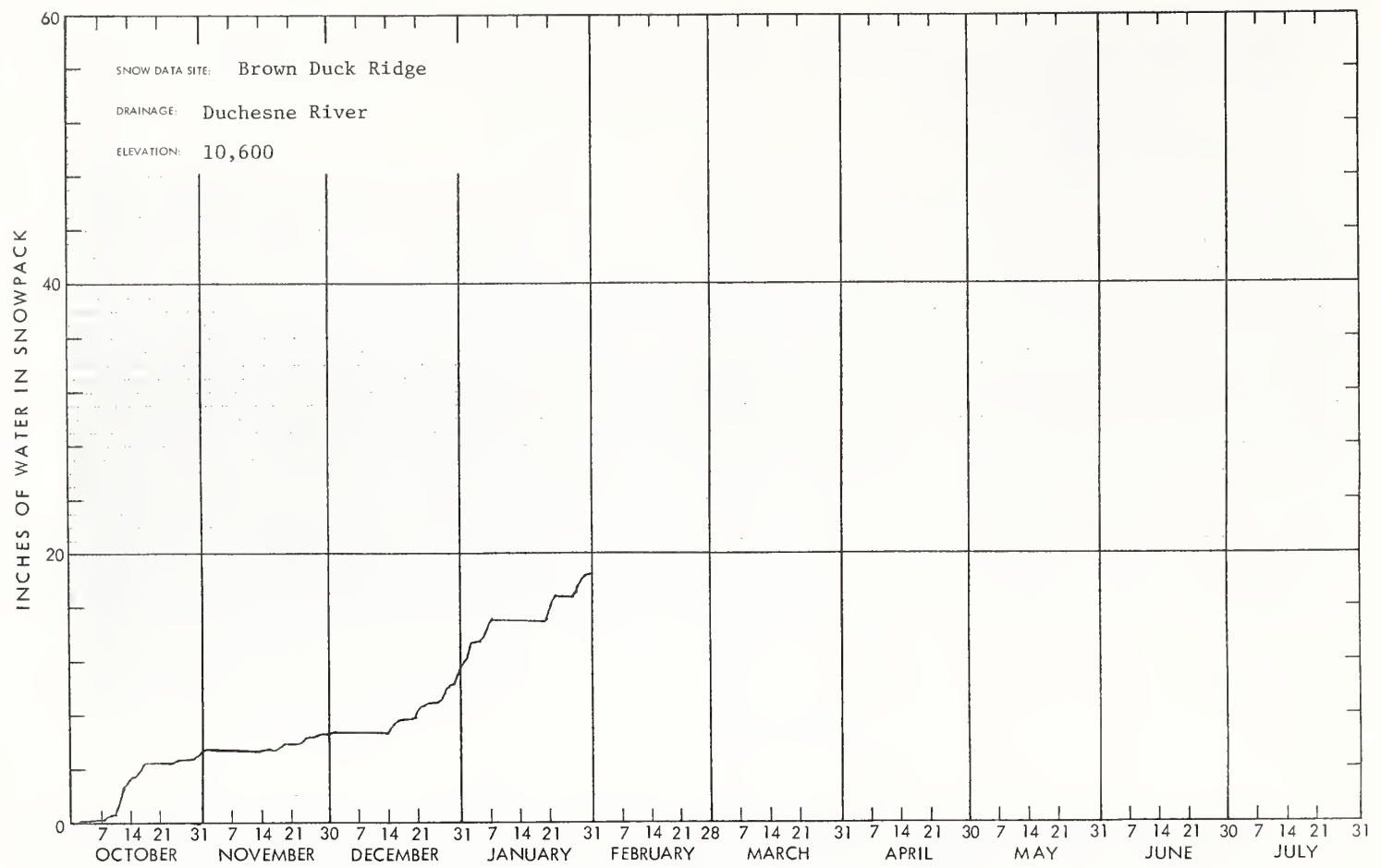


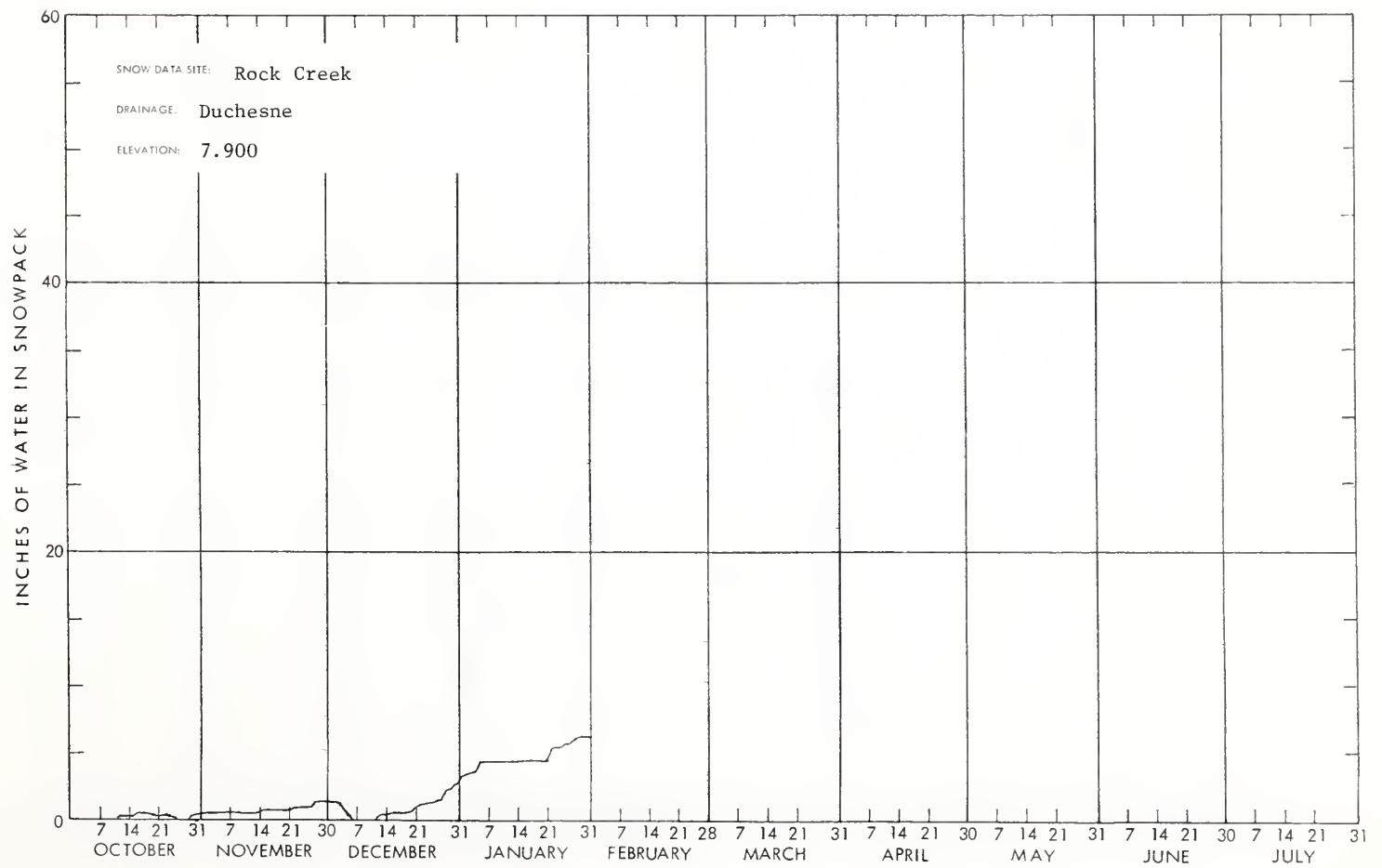
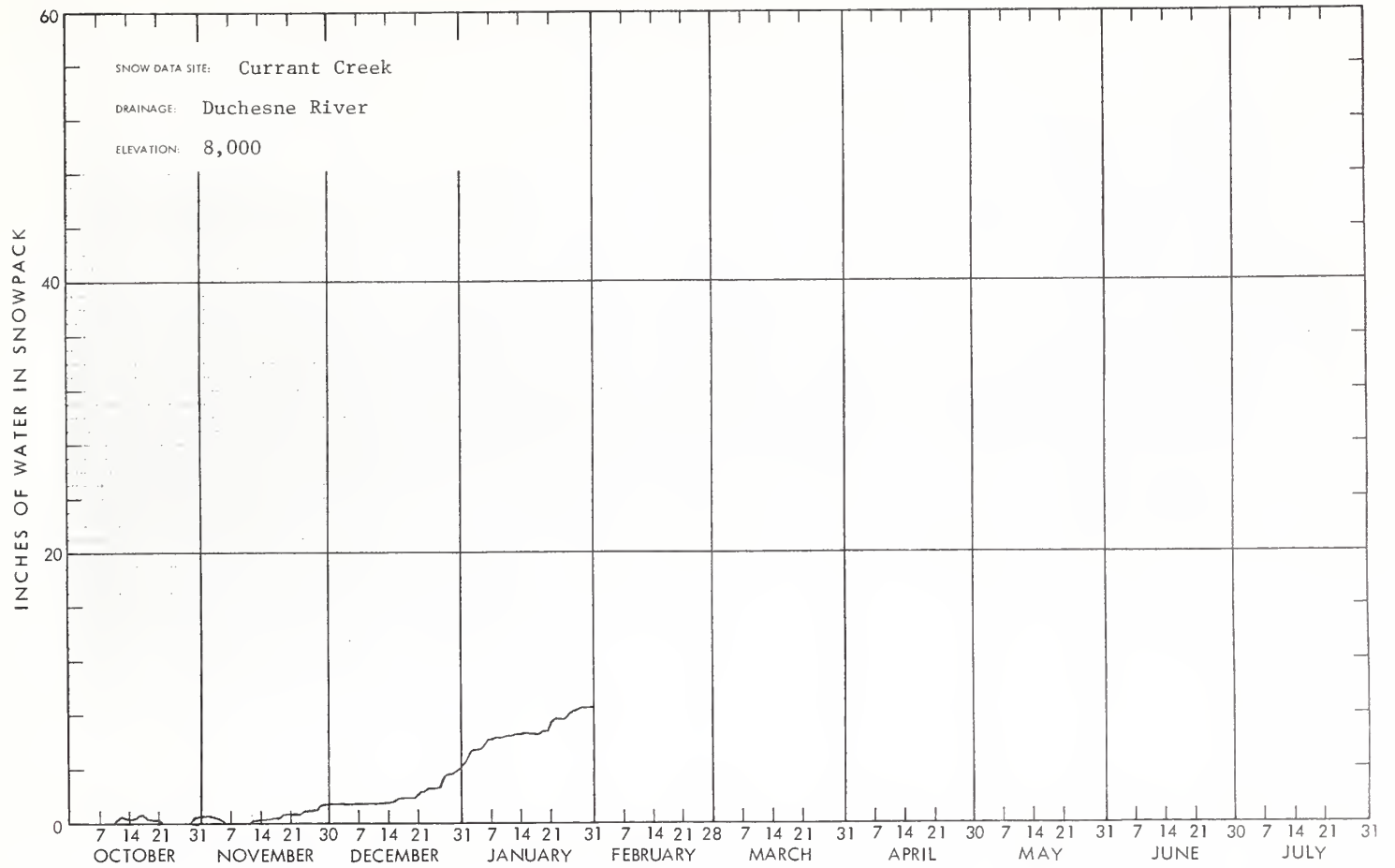




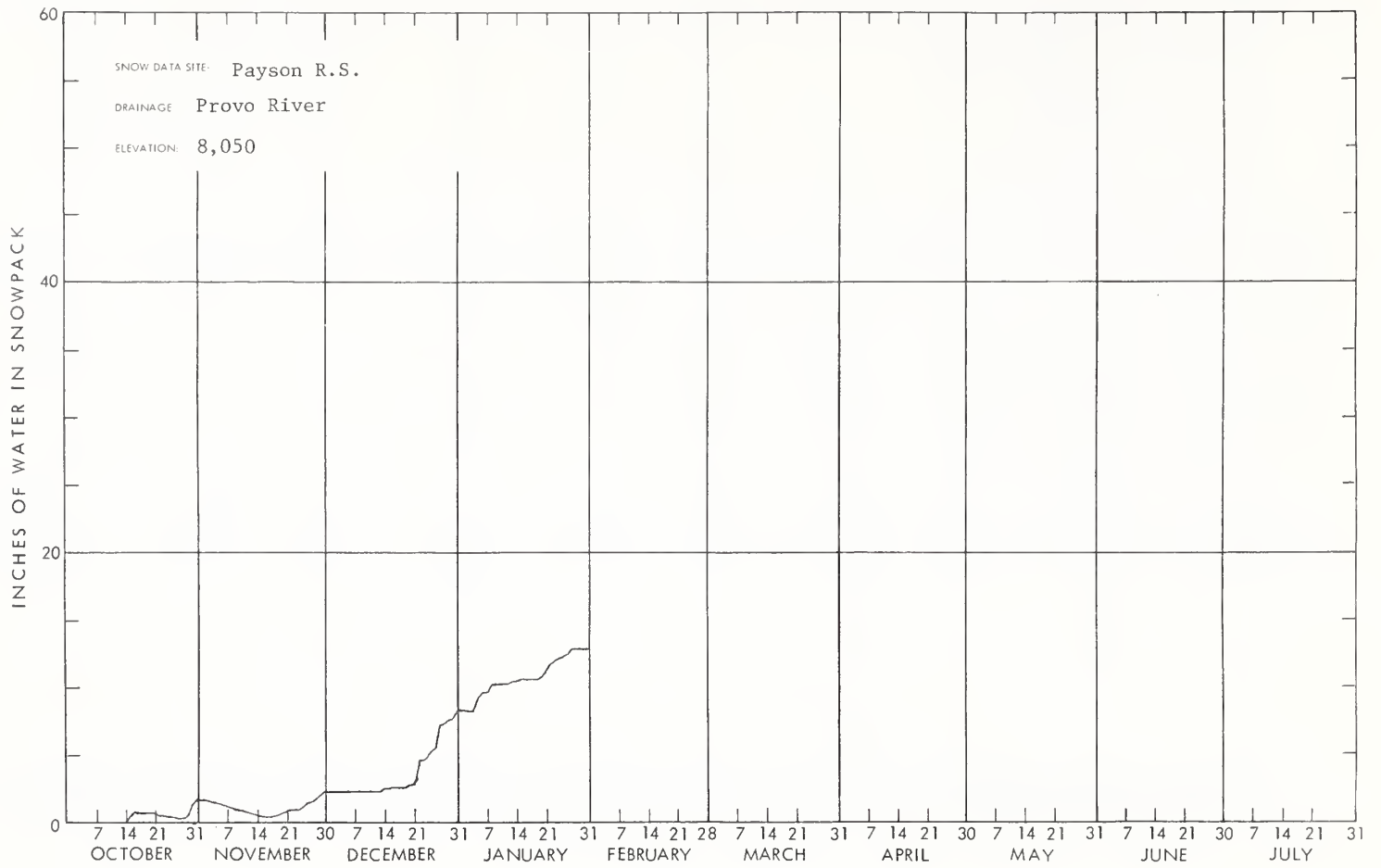




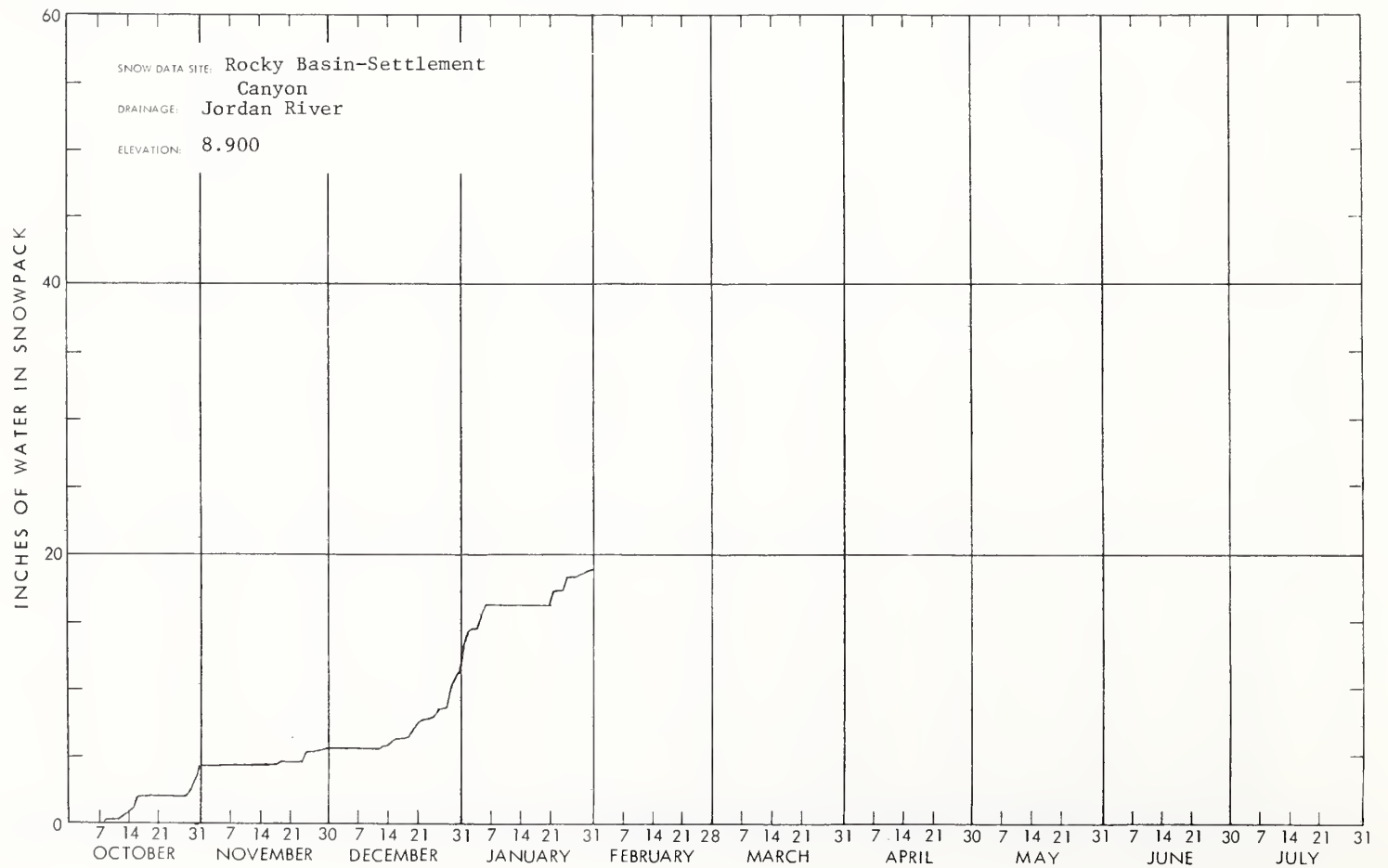


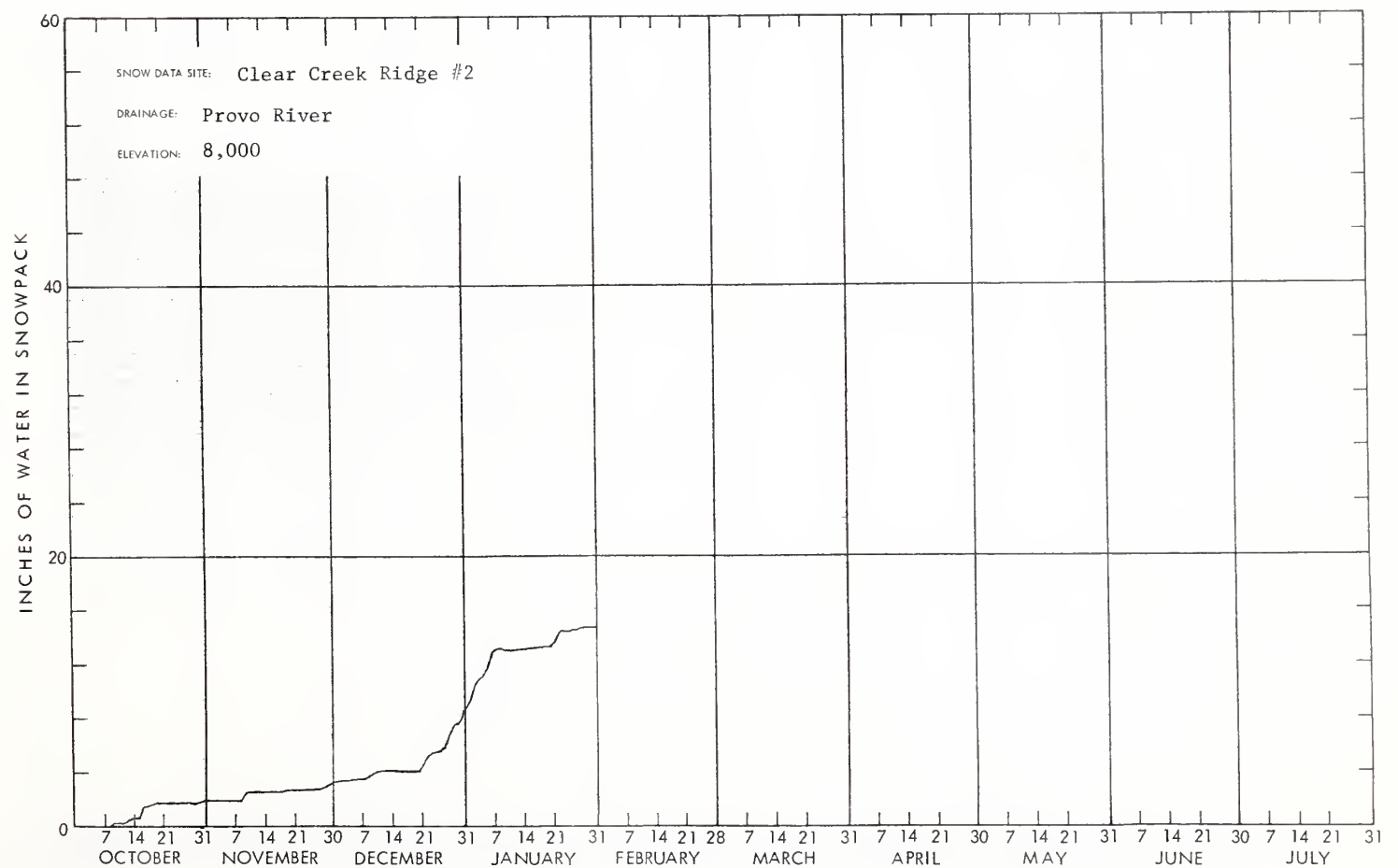
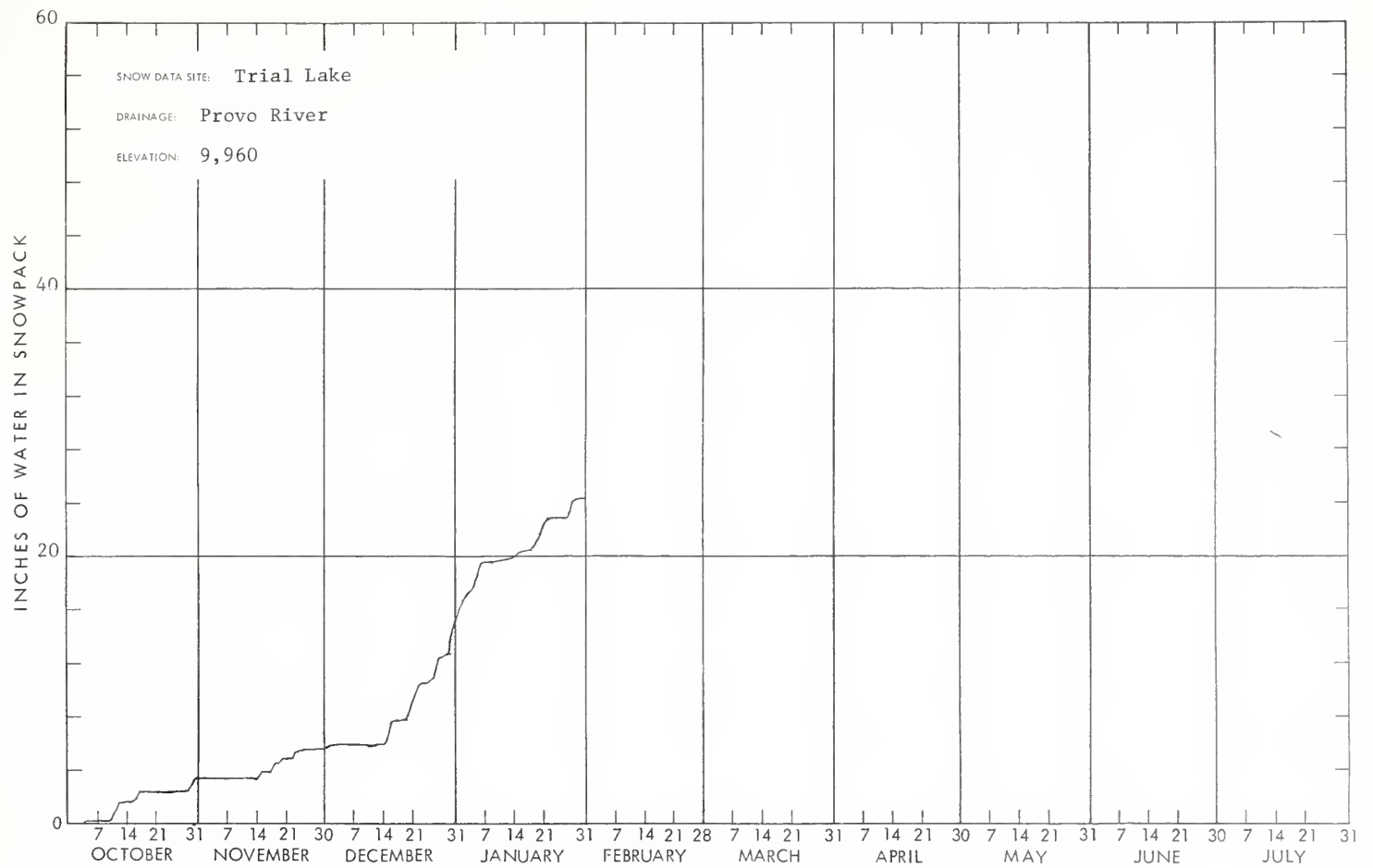


WSFB-X13C

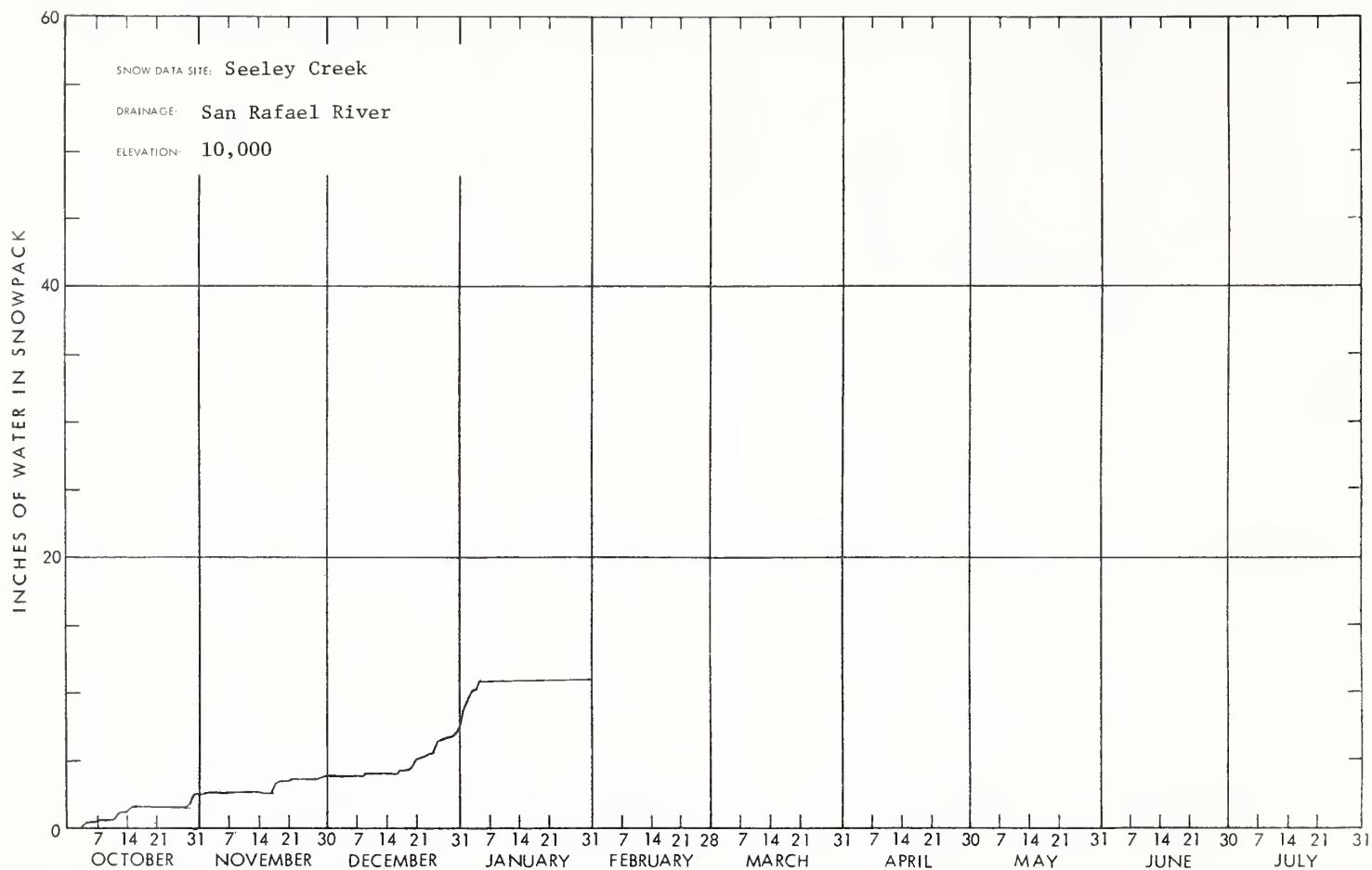


WSFB-X13C

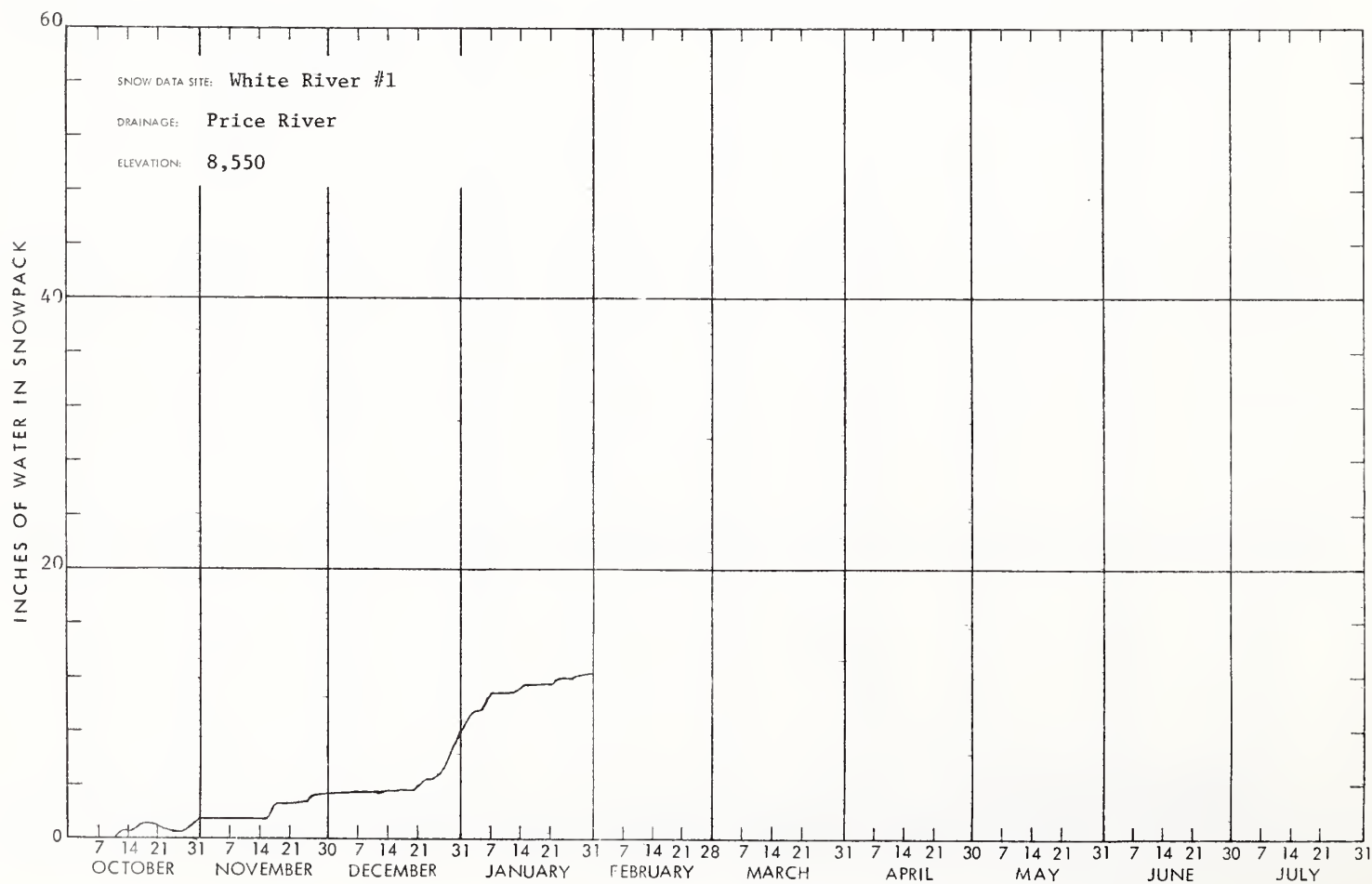


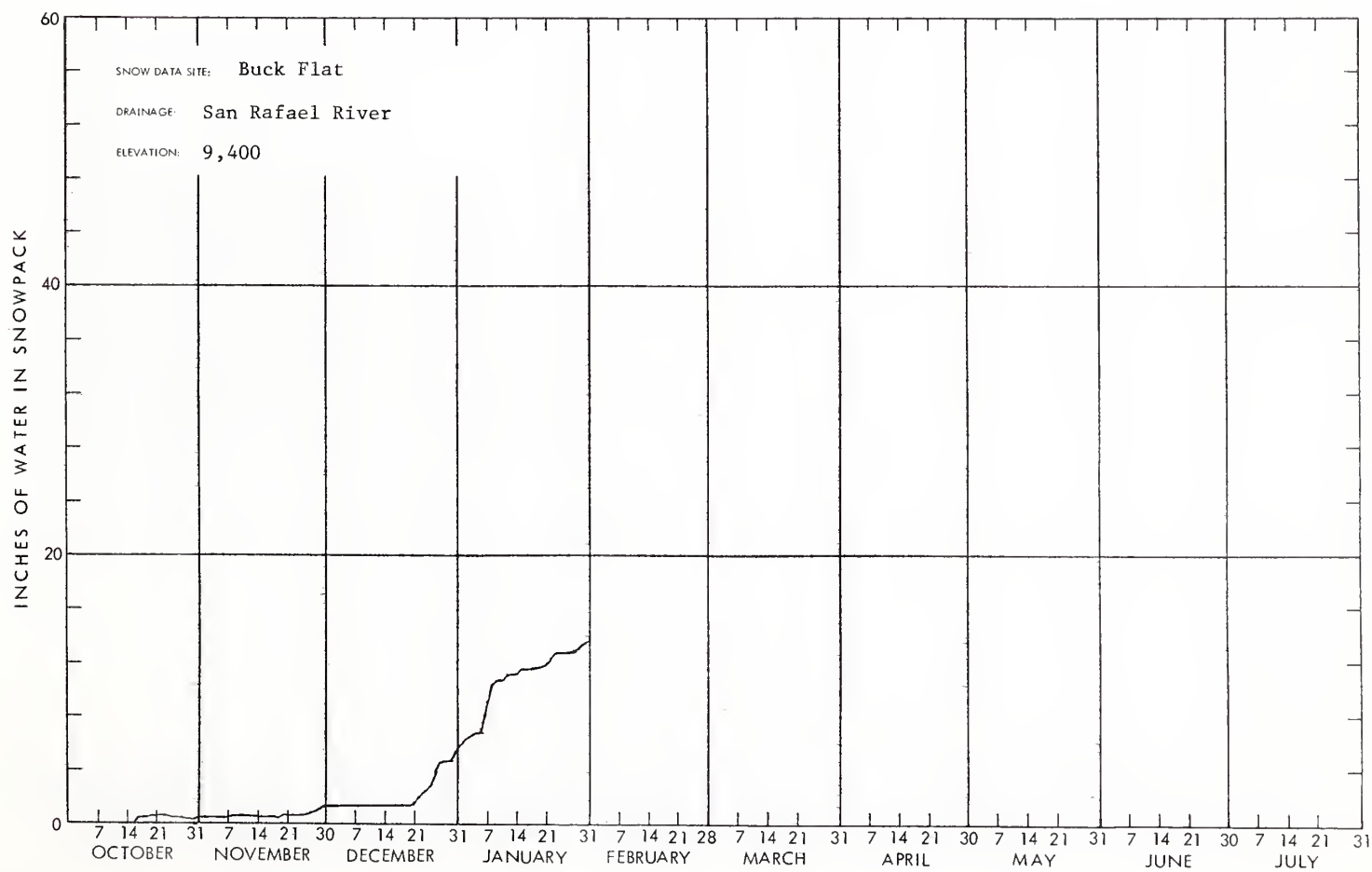
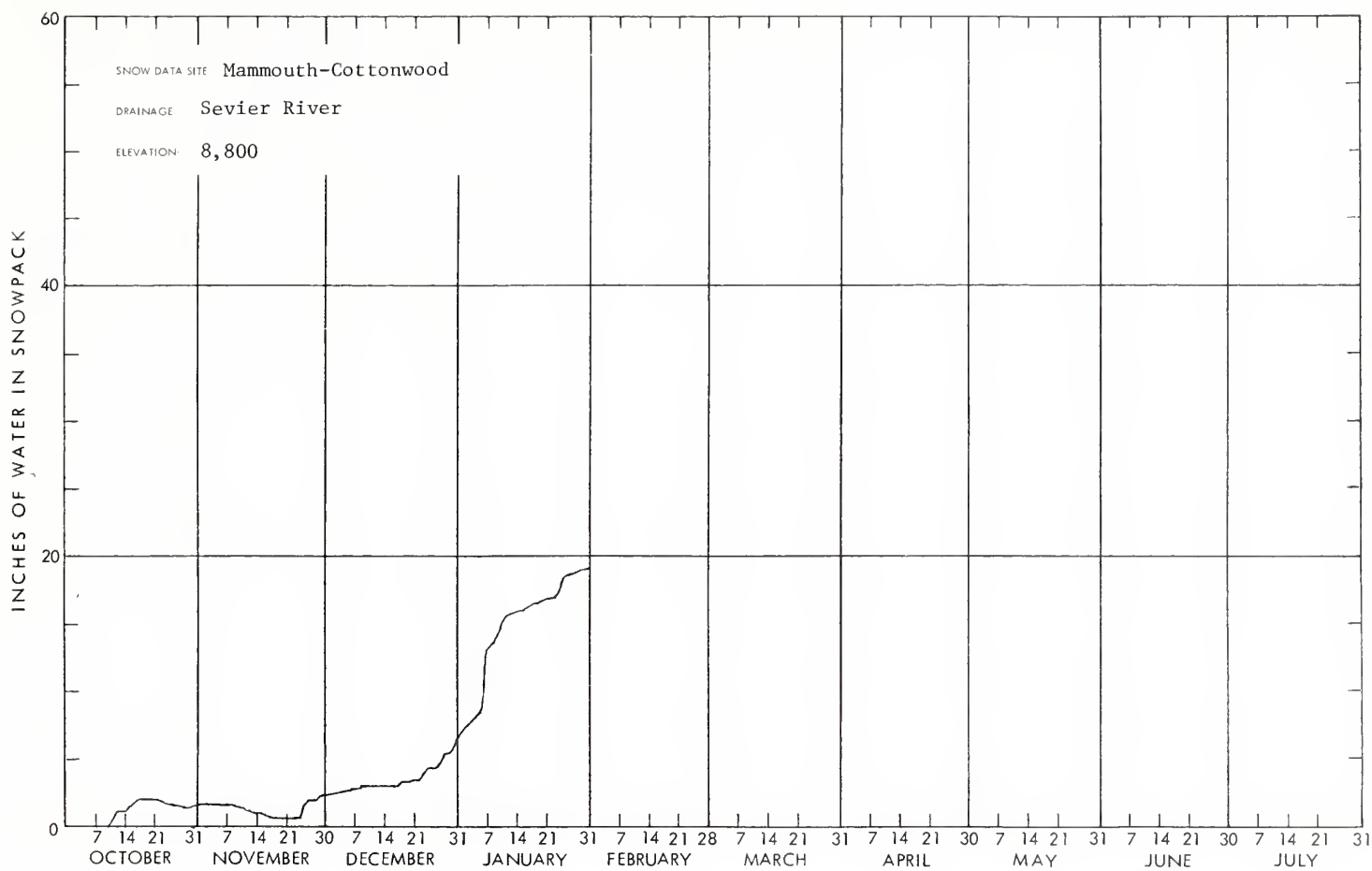


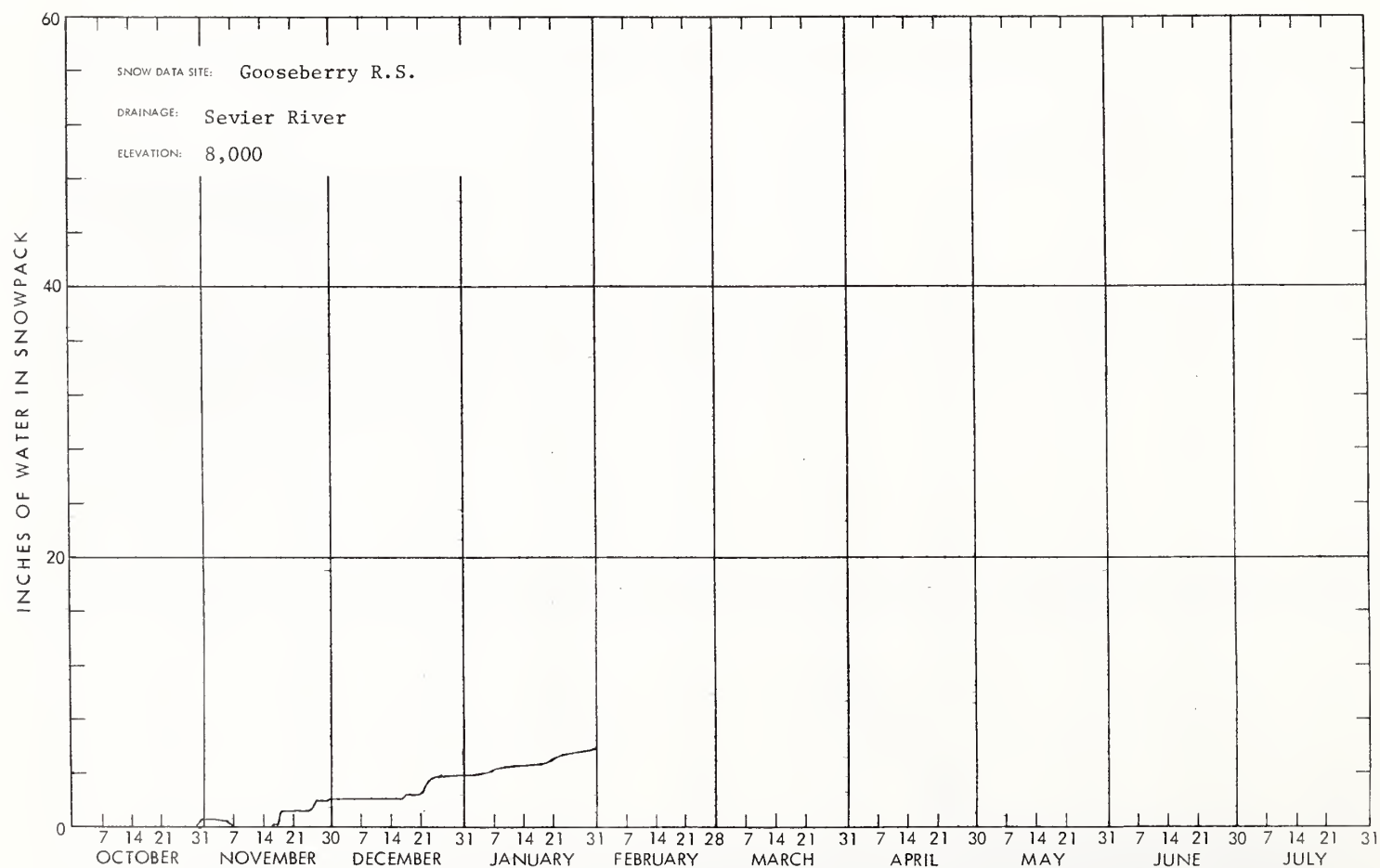
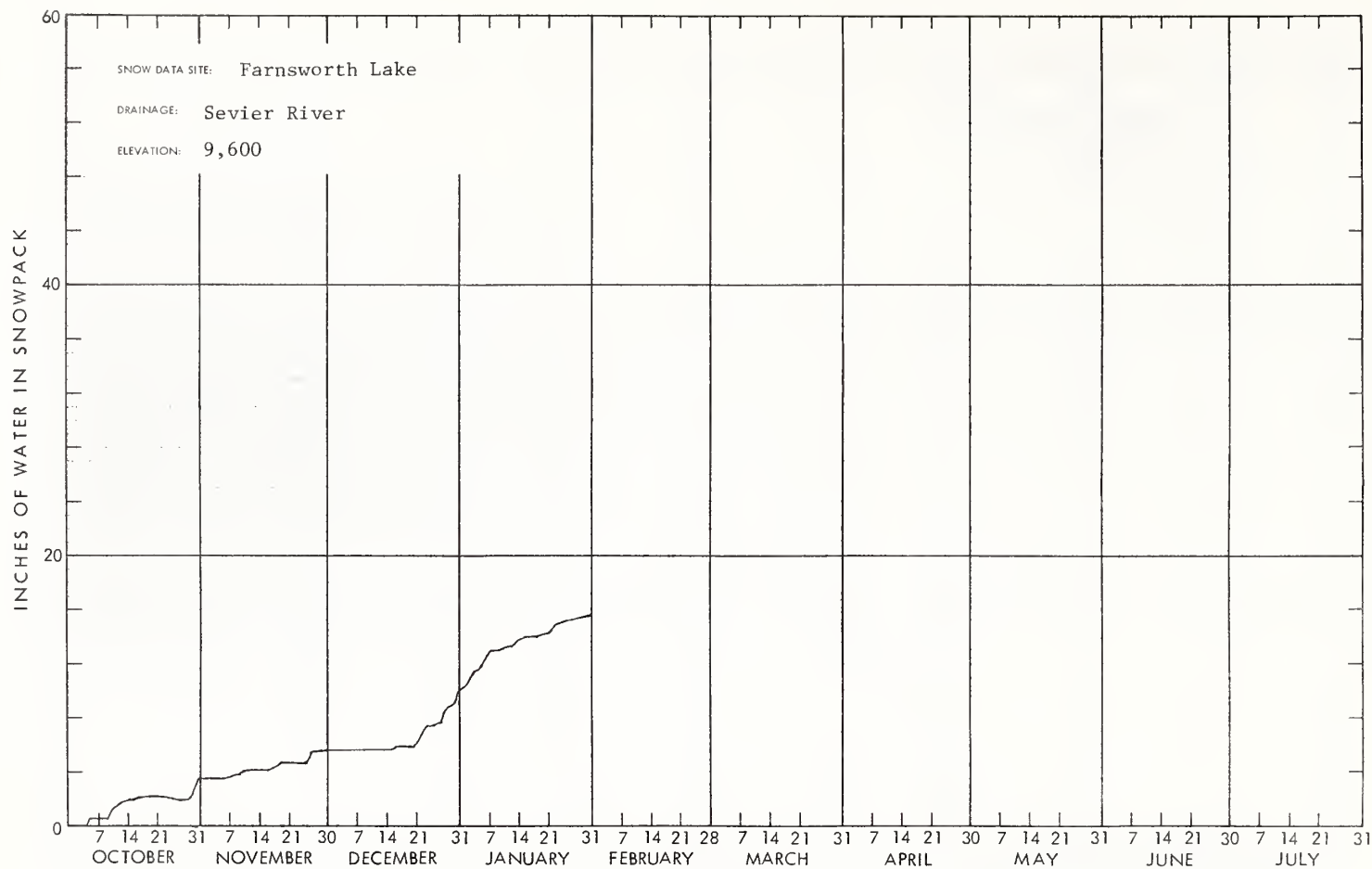
WSFB-X13C

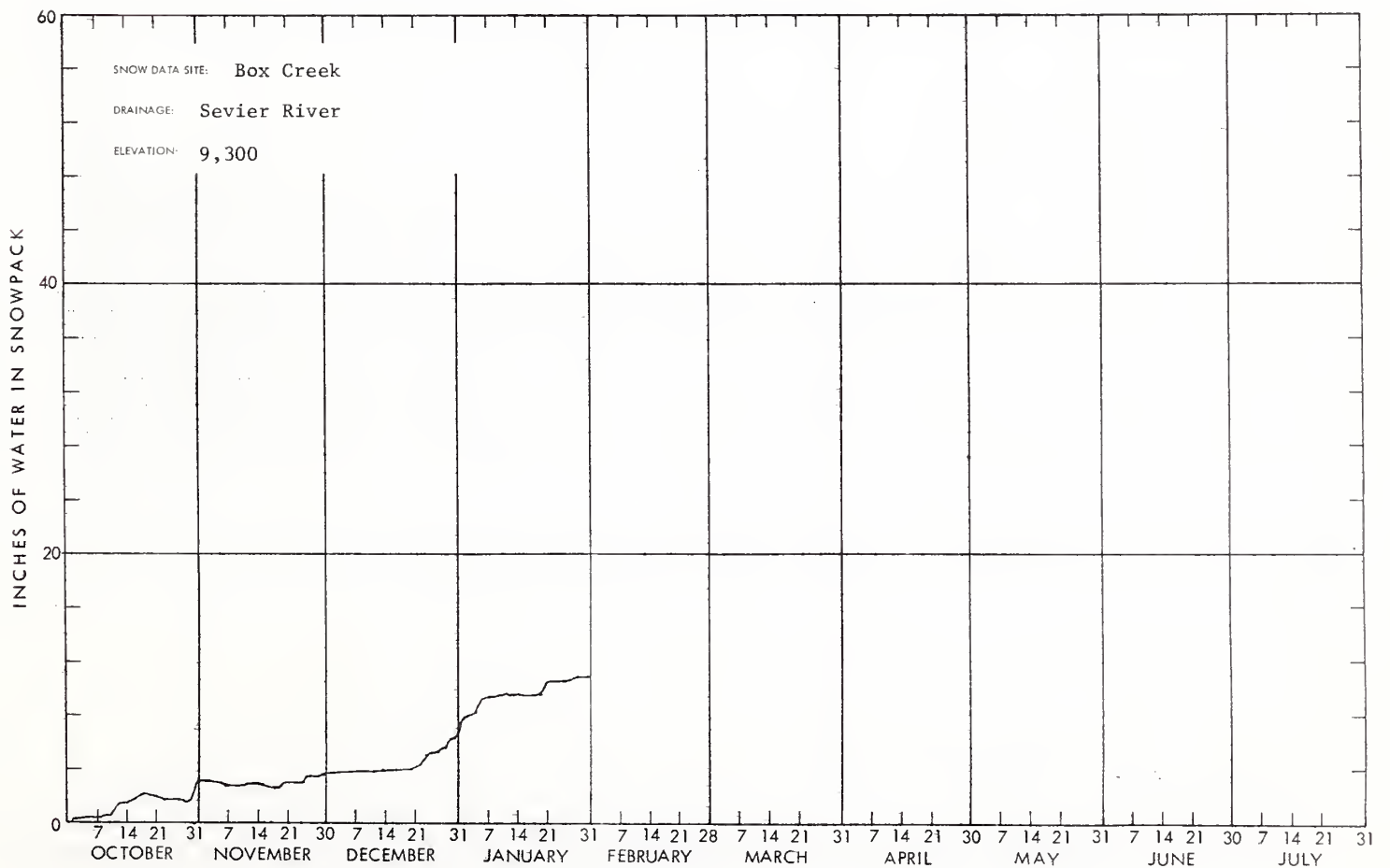
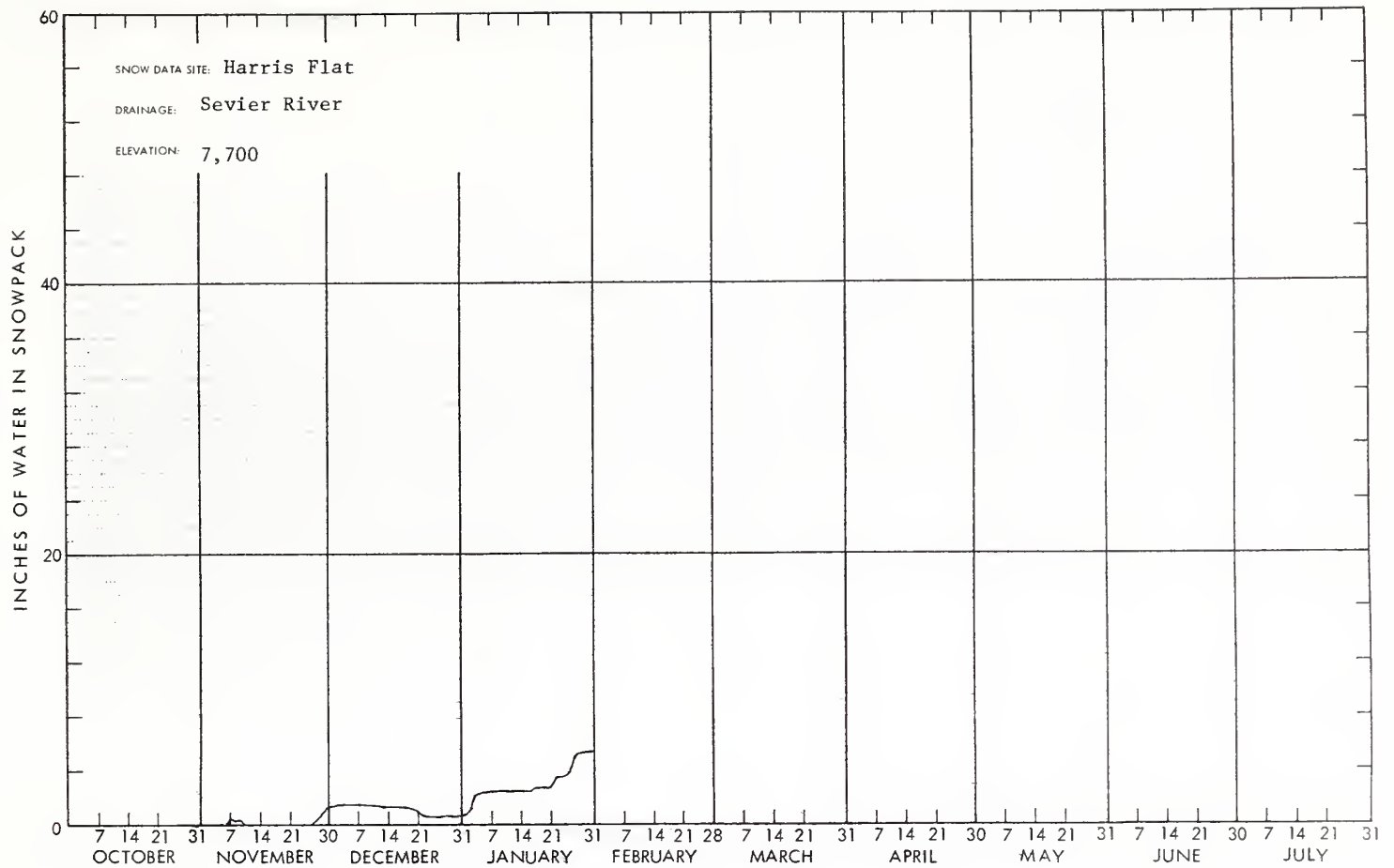


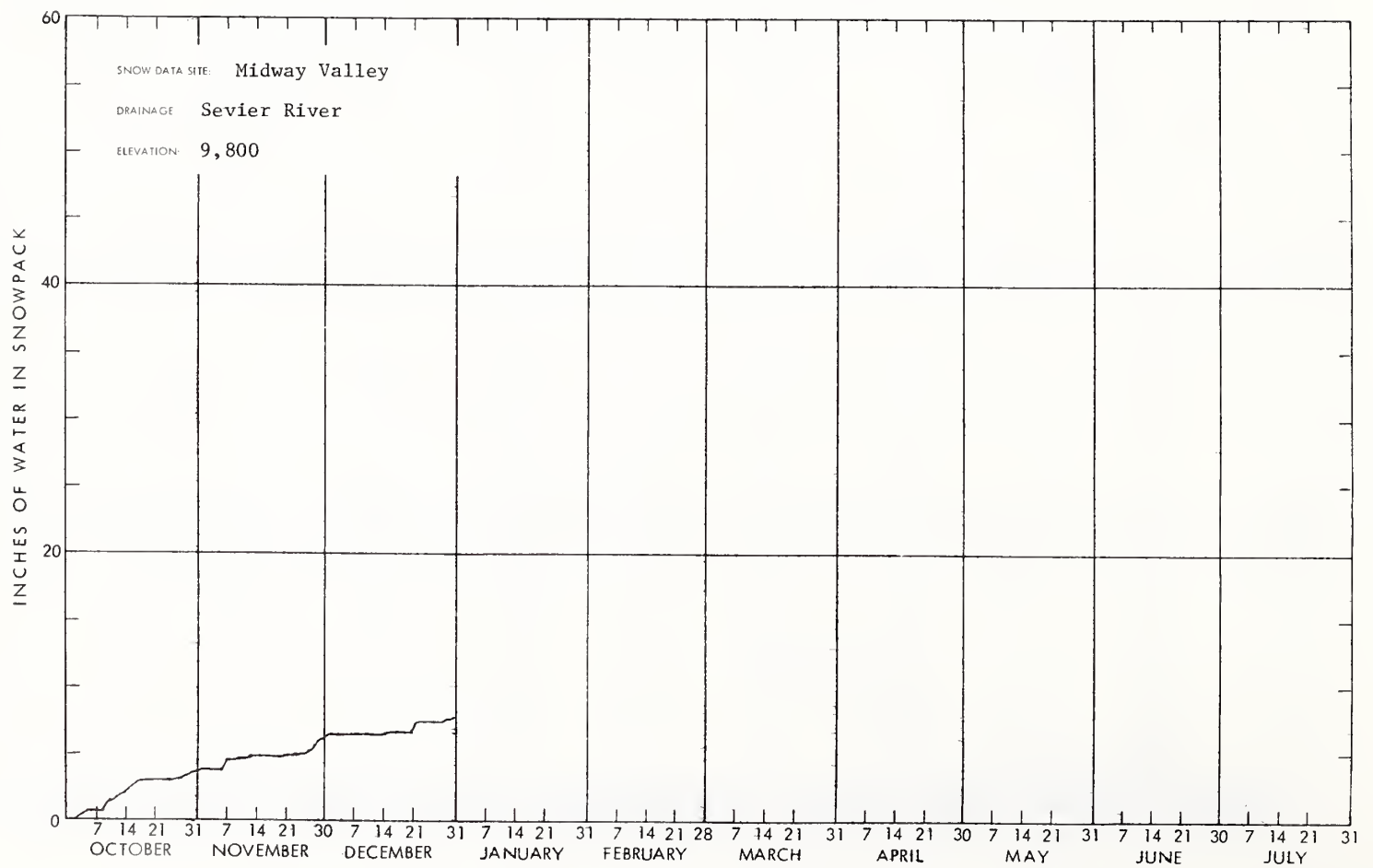
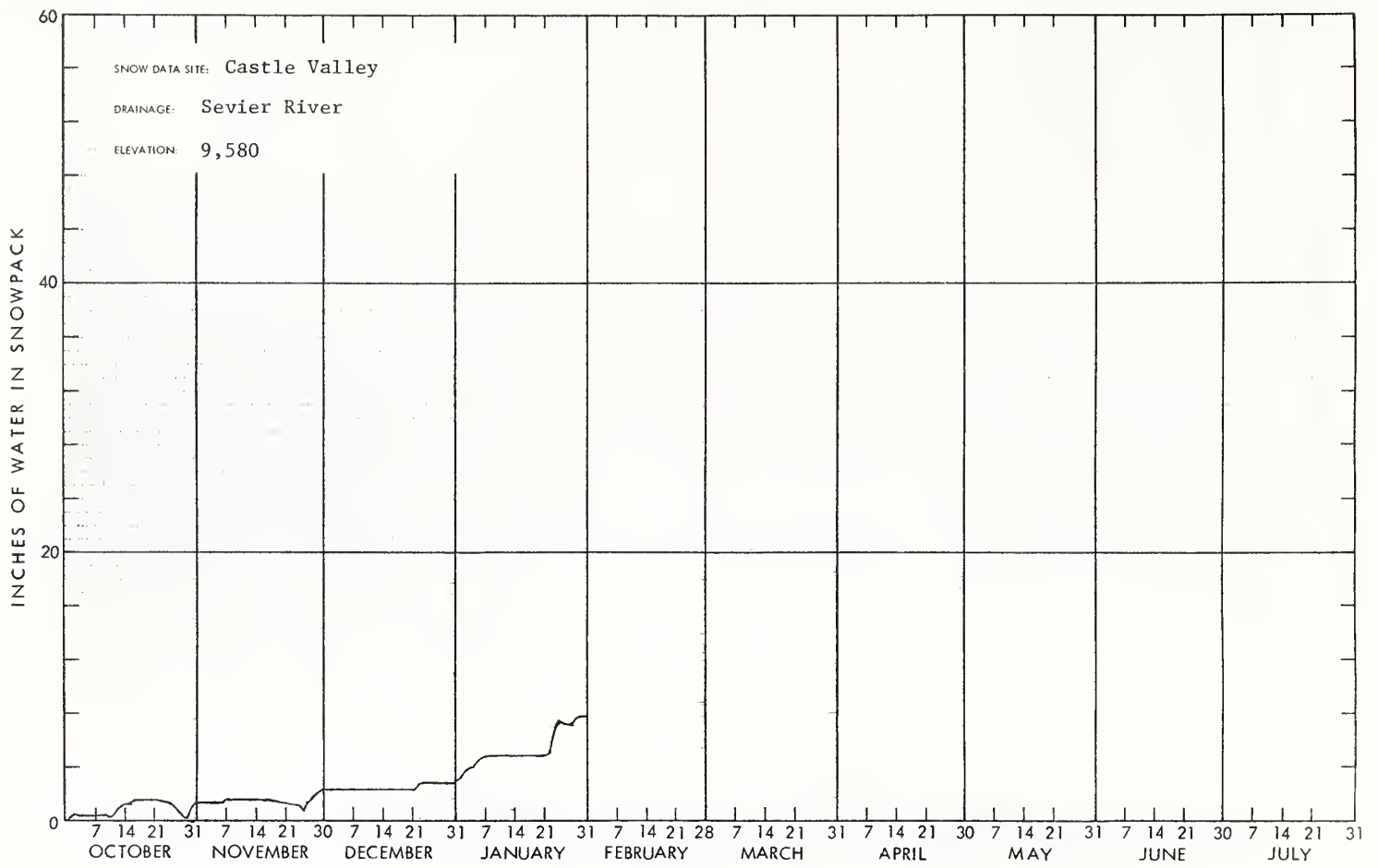
WSFB-X13A

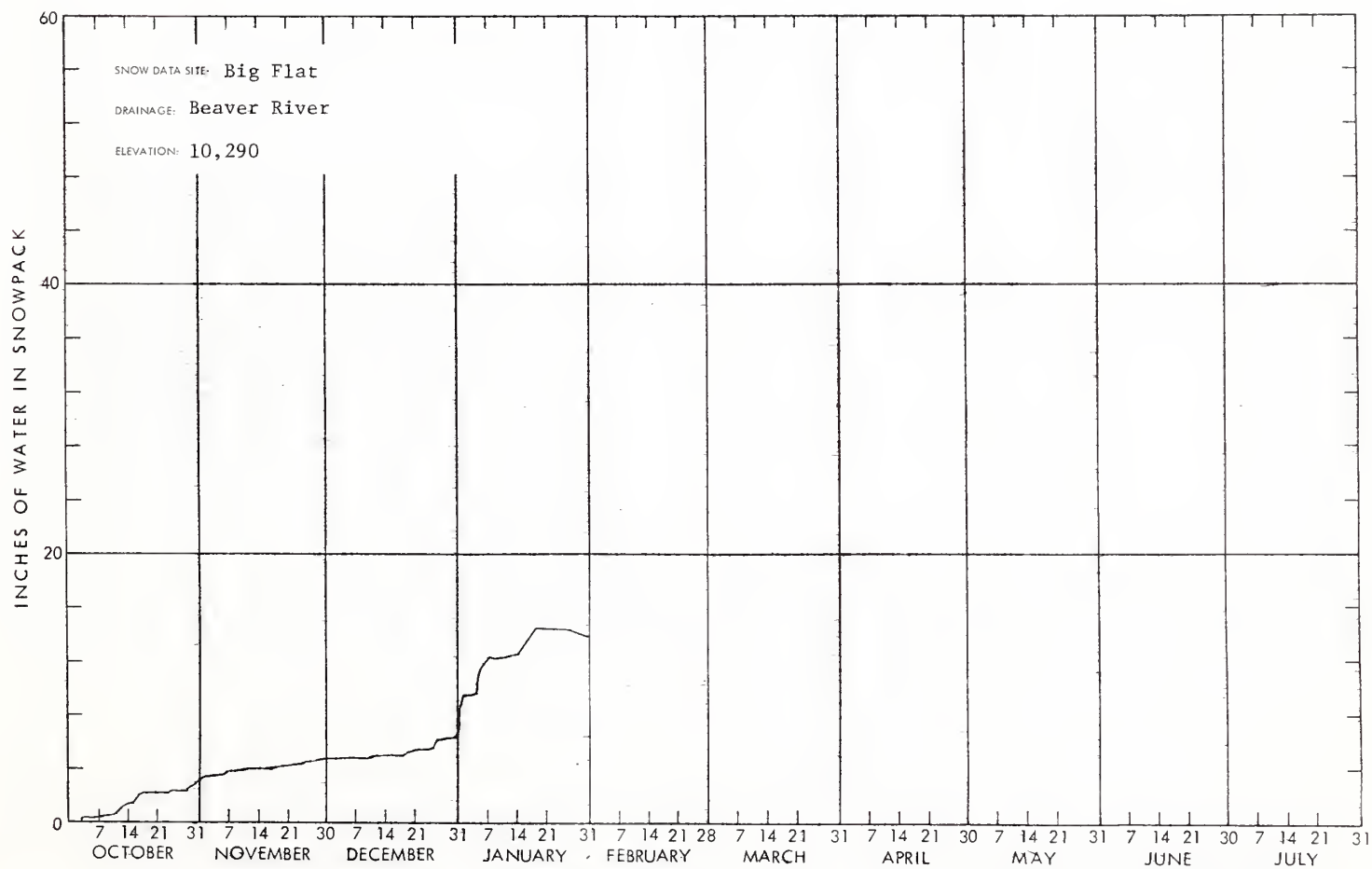
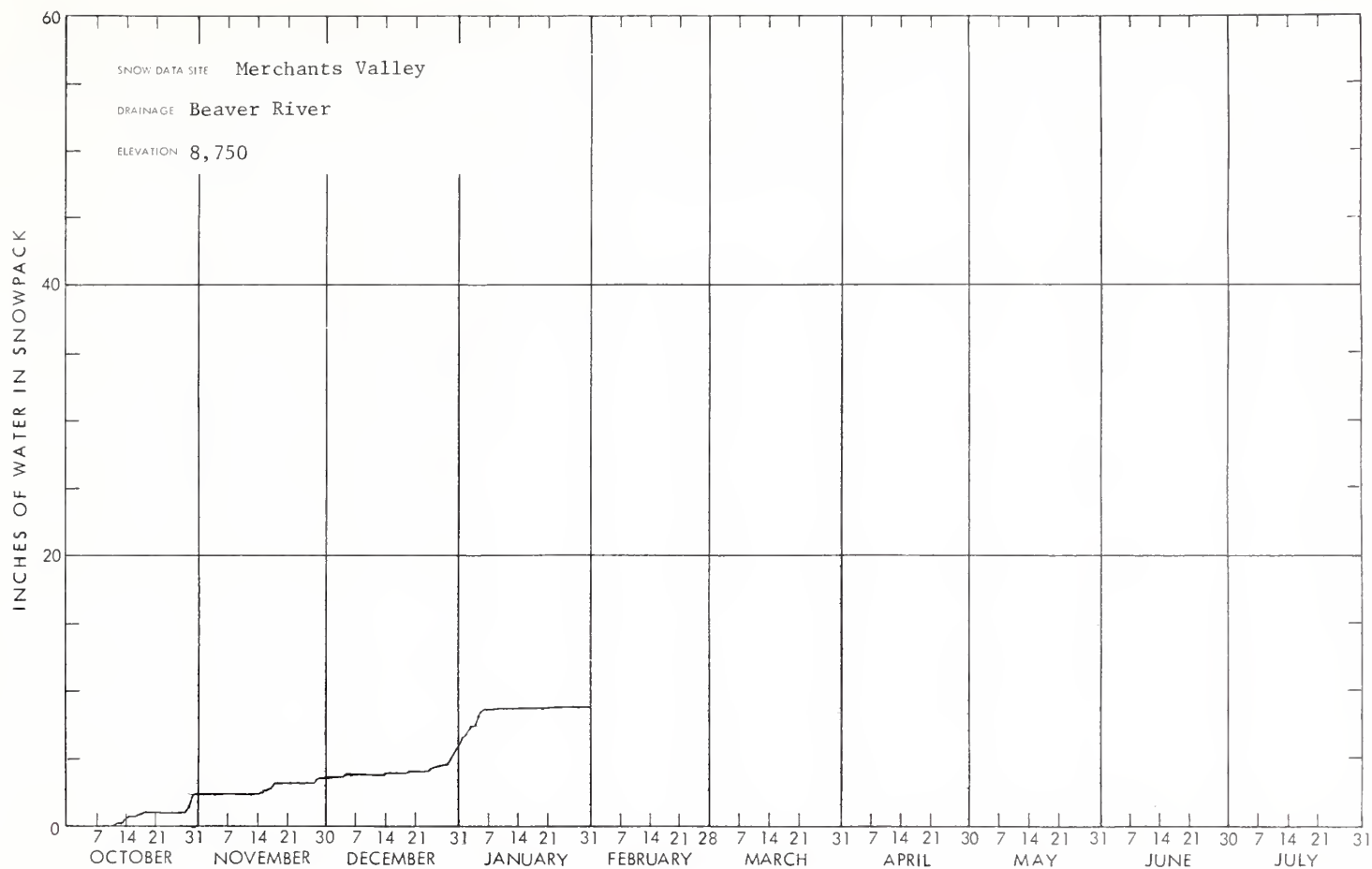




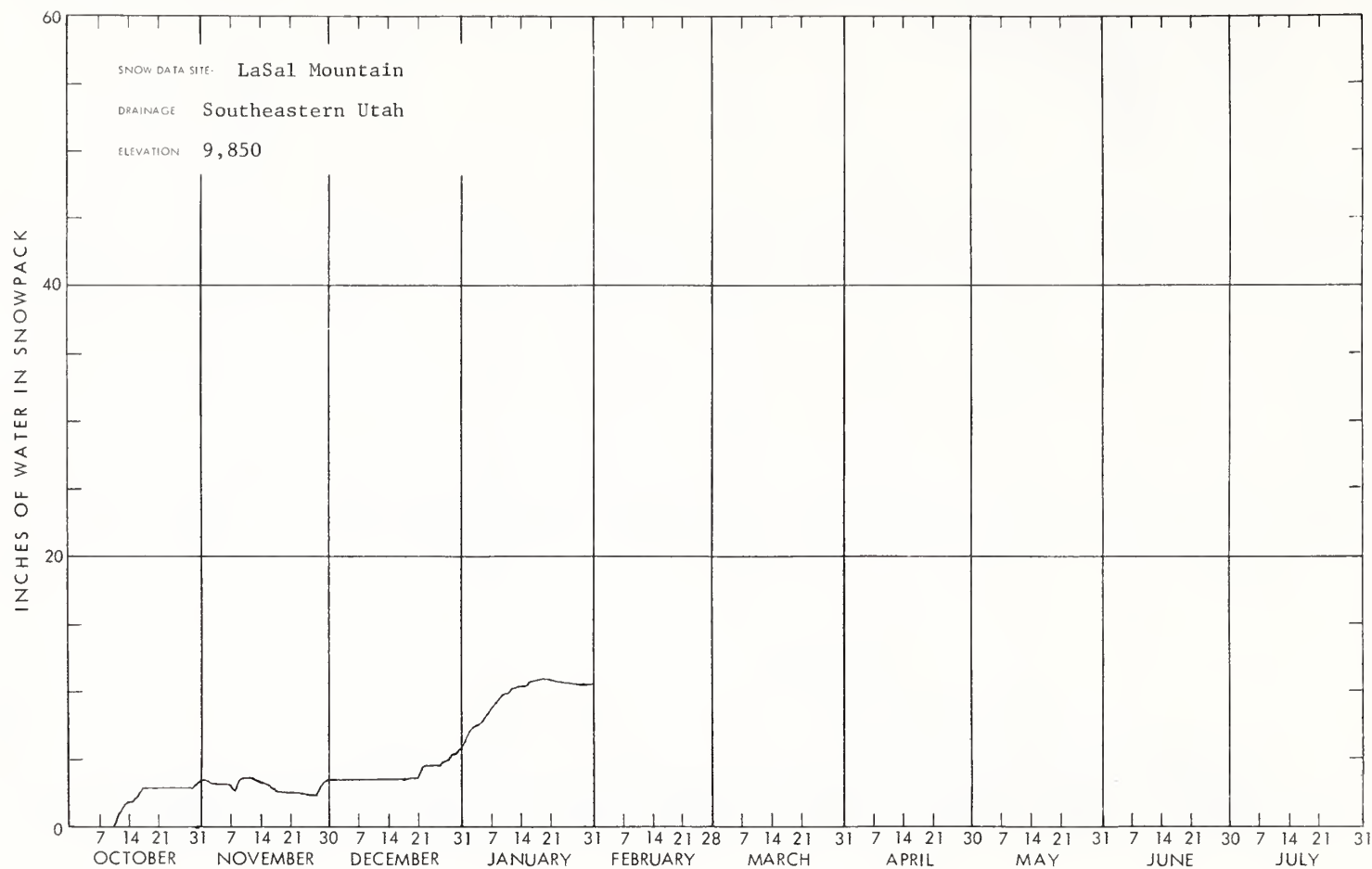




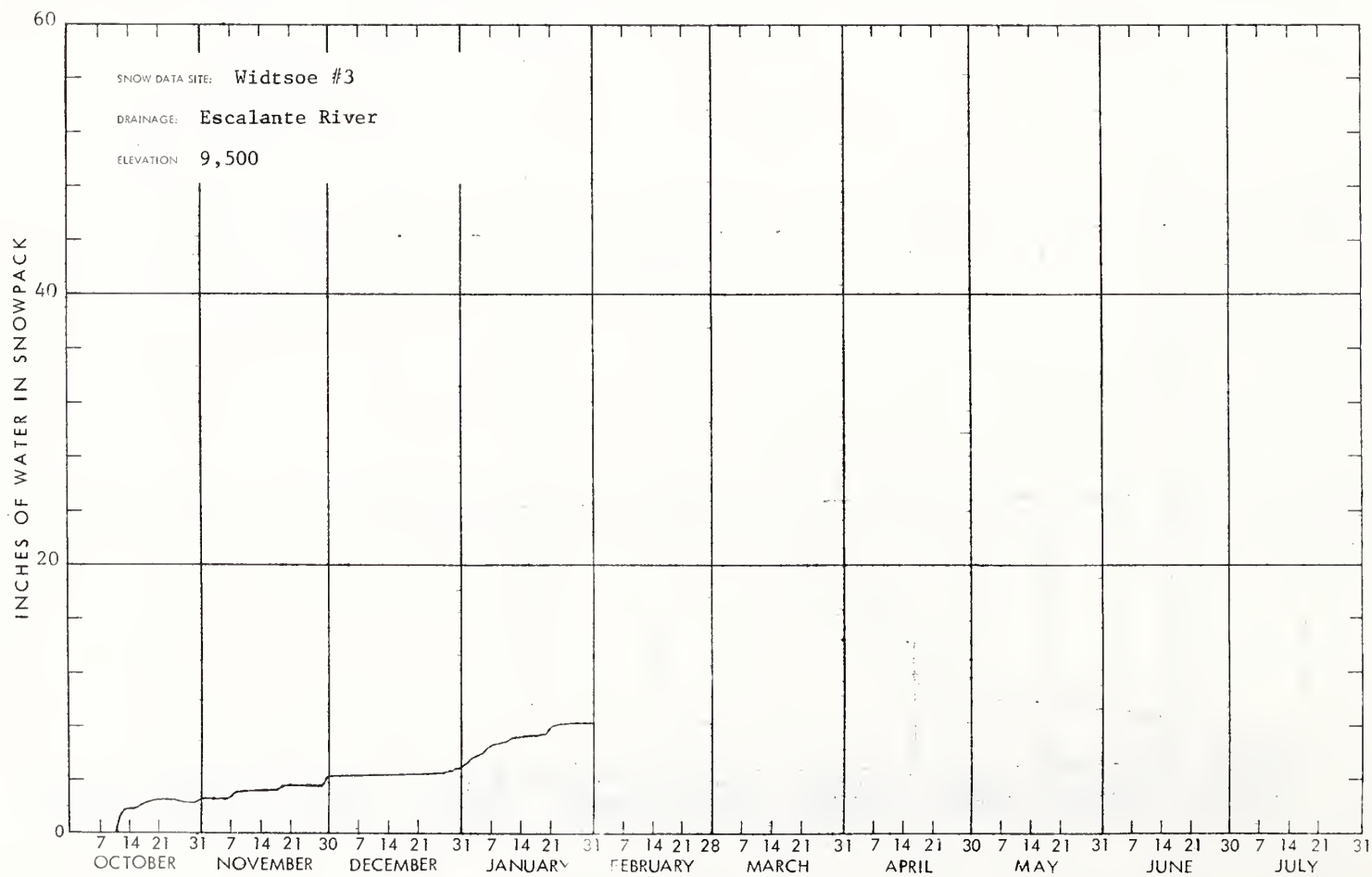


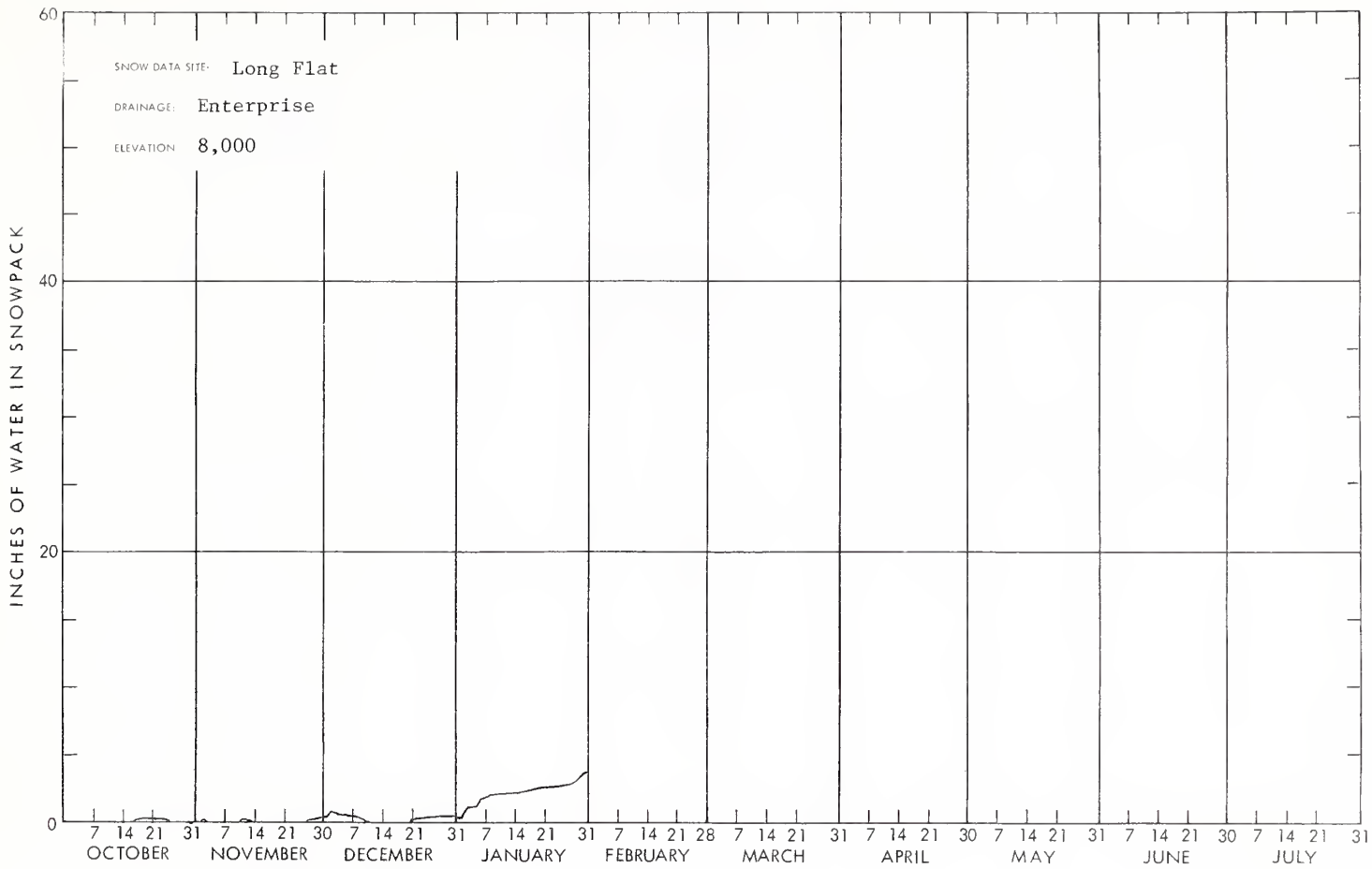


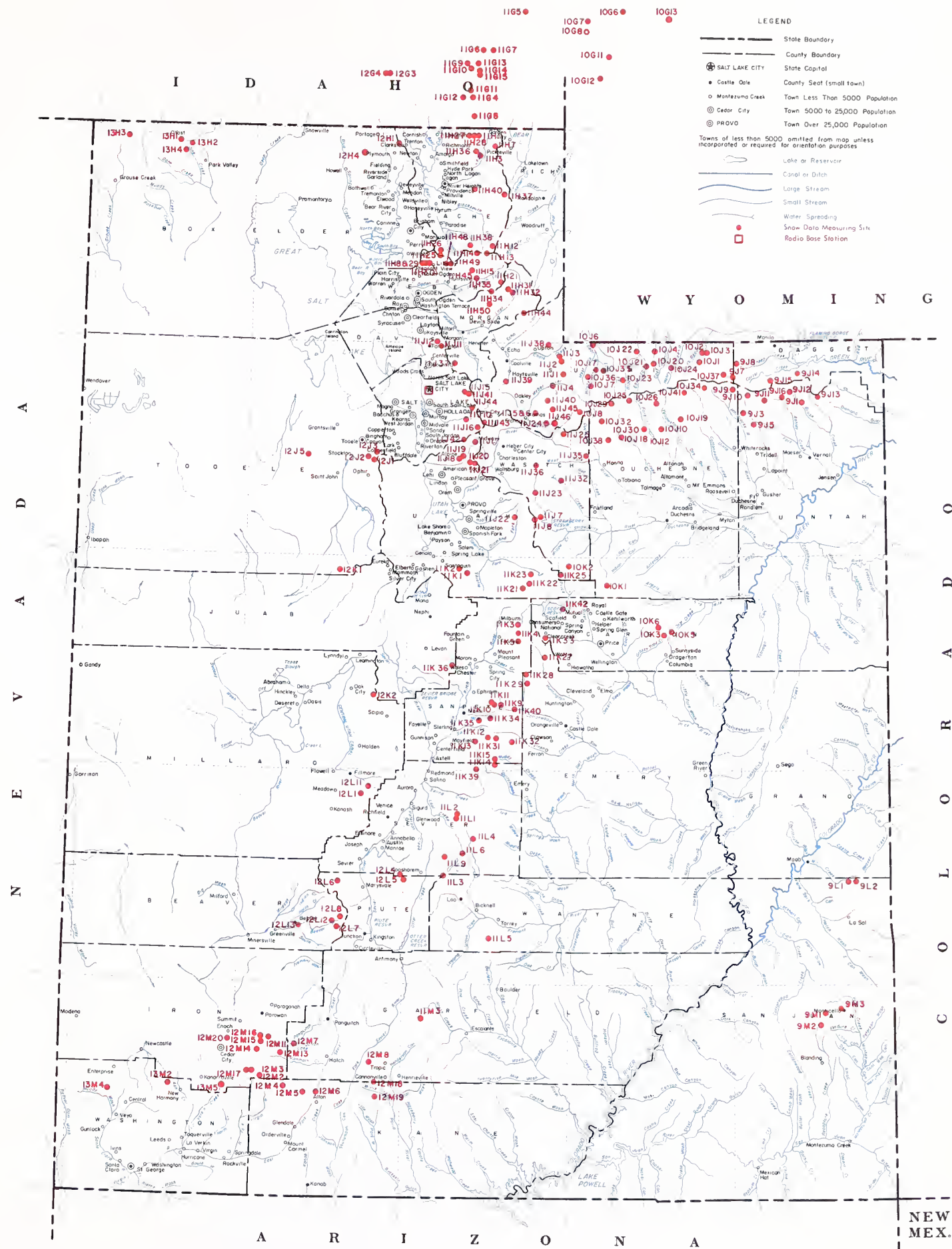
WSFB-X13C



WSFB-X13A







SNOW COURSES AND RELATED DATA MEASURING SITES

UTAH

1982

USGS National Atlas 1:1,000,000 Albers
Equal Area projection (1967) used as source
for base map and adapted for SCRS use.

20 0 20 40
SCALE 1:1,000,000
ALBERS EQUAL AREA PROJECTION

INDEX TO UTAH, BEAR & UPPER COLORADO RIVER BASINS

GREAT BASIN DRAINAGE

NO.	STATE	NAME	SEC	TWP	RGE	ELEV.	NO	STATE	NAME	SEC	TWP	RGE	ELEV.	NO	STATE	NAME	SEC	TWP	RGE	ELEV.
UPPER BEAR RIVER (above Harer, Idaho)																				
10G11	W	Big Park	7	27N	117W	8,700	11J25P	U	Sagehen R.S.	9	3S	8E	7,800	91J1PST	U	King's Cabin (upper)	22	1S	21E	8,730
10G16	W	Burns-Villier Ranch	19	3N	108W	7,900	11J19	U	South Fork R.S.	24	4S	2E	6,100	10J27P	U	Middle Canyon	8	2N	15E	10,680
10G67	W	CCC Camp x	9	29N	118W	7,500	11J18	U	Timpanogas Cave	27	4S	2E	5,500	10J27P	U	Middle Canyon	8	2N	15E	10,680
10J35p	U	Gold Hill	15	1N	9E	10,000	11J21PST	U	Timpanogas Divide	33	4S	3E	8,140	91J10p	U	Reynolds Park	9	1S	18E	10,400
10J7P5T	U	Hayden Fork	25	1N	9E	9,400	10J8PST	U	Trial Lake	5	2S	9E	9,960	91J7P	U	Spirit Lake	10	1N	17E	10,300
10G12	W	Kelly Ranger Station	13	26N	118W	8,200								10J20PST	U	Steel Creek Park	17	2N	13E	10,100
10J35p	U	Lily Lake	34	2N	10E	9,050								91J6PST	U	Traut Creek	9	1S	20E	9,400
11H12PST	U	Monte Cristo R.S.	4	8N	11W	8,960								91J2ap	U	Windy Park	2	1S	20E	9,400
10G13P	W	Poison Meadows x	32	29N	118W	7,900														
10G13MP	W	Sal River Summit x	32	29N	118W	8,400														
10J17P	U	Stiffwater Camp	32	2N	10E	8,550														
JORDAN RIVER & GREAT SALT LAKE																				
	U	Bevan's Cabin	24	4S	4W	6,450														
	U	Deseret Peak	15	4S	7W	9,250														
	U	Lamb's Canyon #2	21	1S	3E	7,500														
	U	Middle Canyon	8	4S	3W	7,000														
	U	Mill Ditch Fork	18	2S	2E	7,400														
	U	Rocky Basin-Settlement Canyon	30	4S	3W	8,900														
	U	Sal River Lake (Brighton)	35	2S	3W	8,725														
	U	Snow Bird (Gad Valley)	21	10S	3E	9,700														
	U	Vernon Creek	18	3S	5W	7,500														
UPPER SEVIER RIVER (South of Richfield, Utah)																				
	U	Box Creek	33	26S	2W	9,300														
	U	Byce Canyon	36	36S	4W	8,000														
	U	Castle Fork	23	36S	8W	9,380														
	U	Duck Creek R. S.	31	37S	8W	8,200														
	U	Harris Flat	24	38S	7W	7,200														
	U	High-Top Mountain	36	25S	1E	11,400														
	U	Kimberly Mine	10	27S	5W	9,300														
	U	Midway Valley	26	37S	9W	9,800														
	U	Panguitch Valley	4 & 5	36S	7W	8,200														
	U	Rainbow Point	29	38S	4W	9,100														
	U	Snow Springs	3	27S	2W	9,300														
LOWER SEVIER RIVER (Including San Peh River)																				
	U	Beaver Dam	22	19S	3E	8,000														
	U	Benjamin's Lake	24	23S	2E	8,000														
	U	Chalk Creek #2	17	17S	4E	8,700														
	U	G. B. R. C. Meadows	21	17S	4E	10,000														
	U	Gooseberry R. S.	21	23S	2E	8,000														
	U	Mammoth R. S. -Cottonwood Creek	13	13S	5E	8,800														
	U	Middle Fork	16	18S	4E	9,500														
	U	Mt. Baldy R.S.	19	19S	4E	9,500														
	U	Oak Creek	9	17S	3W	7,760														
	U	Pickie Keg Springs	24	23S	4E	9,000														
	U	Pine Creek	24	23S	4E	9,000														
	U	Rees's Flat	20	16S	2E	7,300														
	U	Shingle Mill	5	22S	3W	6,200														
	U	Thistle Flat	19	18S	3E	8,760														
BEAVER RIVER																				
	U	Beaver Race Track	23	29S	7W	6,020														
	U	Big Flat	7	29S	4W	10,290														
	U	Merchant's Valley (upper)	8	29S	5W	8,750														
	U	Other Lake	12	29S	5W	9,600														
PAROWAN CREEK																				
	U	Birch Crossing	23	35S	9W	8,100														
	U	Chalk Creek #2	26 & 35	35S	9W	8,800														
	U	Tail Poles	20	35S	8W	8,700														
	U	Yankee Reservoir	20	35S	8W	8,700														
ENTERPRISE TO NEW HARMONY DRAINAGES																				
	U	Little Grassy Creek	14	38S	18W	6,100														
	U	Long Flat	2	38S	14W	8,000														
COAL CREEK																				
	U	Cedar City Golf Course	11	36S	11W	5,800														
	U	SUSC Ranch	18	37S	9W	8,200														
UPPER GREEN RIVER IN UTAH (above Duchesne River)																				
	U	King's Cabin (upper)	22	1S	21E	8,730														
	U	Middle Canyon	8	2N	15E	10,680														
	U	Reynolds Park	9	1S	18E	10,400														
	U	Spirit Lake	10	1N	17E	10,300														
	U	Steel Creek Park	17	2N	13E	10,100														
	U	Traut Creek	9	1S	20E	9,400														
	U	Windy Park	2	1S	20E	9,400														
DUCHESNE RIVER																				
	U	Abwood Lake	13	4N	4W	10,840														
	U	Brown Duck Ridge	8	2N	6W	10,600														
	U	Chapala-Whiterocks Lakes	3	4N	1W	10,350														
	U	Current Creek	26	1S	11W	8,000														
	U	Daniels-Strawberry Summit	20	25	12W	8,000														
	U	East Portal	38	7S	6E	7,560														
	U	Five Point Lake	26	4N	5W	11,000														
	U	Madison Canyon	14	1W	10E	10,100														
	U	Kidney Lake	25	3N	3W	11,000														
	U	Lakefork Lake	28	5N	3W	11,000														
	U	Lakefork Basin	2	4N	7W	11,100														
	U	Lakefork Mountain #3	2 & 3	2N	5W	10,200														
	U	Lightning Lake	10J12	2N	4W	8,400														
	U	Lightning Mountain	23	4N	8W	10,500														
	U	Masby Mountain	9J25PST	3N	1E	9,500														
	U	Paradise Park	7	2N	7E	10,100														
	U	Shadow Lake	10J18P	2N	7E	10,100														
	U	Shadow Lake	10J32P	2N	7E	10,100														
	U	Strawberry Divide	2	4S	12W	8,400														
	U	West Fork of the Duchesne	11J35P	22	1N	11W	9,480													

Agencies Cooperating in Utah Snow Surveys

U. S. GOVERNMENT AGENCIES

- U. S. Department of Agriculture
 - Soil Conservation Service
 - Forest Service
- U. S. Department of Commerce
 - NOAA, National Weather Service
- U. S. Department of Interior
 - Bureau of Reclamation
 - Geological Survey
 - National Park Service

STATE AGENCIES

- Utah State University
- Utah State Department of Natural Resources
 - Division of Wildlife Resources
 - Division of Water Resources
 - Division of Water Rights
 - Bear River Commissioner
 - Price River Commissioner
 - Provo River Commissioner
 - Sevier River Commissioners
 - Spanish Fork River Commissioner
 - Utah Lake and Jordan River Commissioner

MUNICIPALITIES

- Manti
- Salt Lake City

ORGANIZED PUBLIC AGENCIES

- Beaver River Water Users Association
- Board of Canal Presidents - Jordan River
- Central Utah Conservancy District
- Emery Canal and Reservoir Company
- Moon Lake Water Users Association
- Ogden River Water Users Association
- Provo River Water Users Association
- Strawberry Water Users Association
- Sevier River Water Users Association
- Weber River Water Users Association
- Weber Basin Conservancy District

PRIVATE AGENCIES

- Kaiser Steel Corporation

UNITED STATES DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE
FEDERAL BLDG. -- ROOM 4420
125 SOUTH ST.
SALT LAKE CITY, UTAH 84138

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300

POSTAGE AND FEES PAID
U. S. DEPARTMENT OF
AGRICULTURE
- 58-101



FIRST CLASS MAIL

FEDERAL - STATE - PRIVATE
COOPERATIVE SNOW SURVEYS

Furnishes the basic data
necessary for forecasting
water supply for irrigation,
domestic and municipal water
supply, hydro-electric power
generation, navigation,
mining and industry

*"The Conservation of Water begins
with the Snow Survey"*

USDA

National Agricultural Library
Beltsville, MD 20705